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Administration

Petroleum Supply Monthly

with data for August 2020

October 2020



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Preface

The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
- Imports of residual fuel oil by state of entry
- Imports by PADD
- Imports by country of origin
- Exports
- Net imports
- Stocks
- Movements of crude oil, petroleum products, and biofuels

Contents

Page

Tables

U.S. supply and disposition of crude oil, petroleum products, and biofuels

1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products	6
2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products.....	7
3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products	8
4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products	9

Regional supply and disposition of crude oil petroleum products and biofuels

5. PAD District 1.....	10
6. Year-to-Date PAD District 1.....	11
7. Daily Average PAD District 1	12
8. Year-to-Date Daily Average PAD District 1	13
9. PAD District 2.....	14
10. Year-to-Date PAD District 2.....	15
11. Daily Average PAD District 2	16
12. Year-to-Date Daily Average PAD District 2.....	17
13. PAD District 3.....	18
14. Year-to-Date PAD District 3.....	19
15. Daily Average PAD District 3	20
16. Year-to-Date Daily Average PAD District 3.....	21
17. PAD District 4.....	22
18. Year-to-Date PAD District 4.....	23
19. Daily Average PAD District 4	24
20. Year-to-Date Daily Average PAD District 4.....	25
21. PAD District 5.....	26
22. Year-to-Date PAD District 5.....	27
23. Daily Average PAD District 5	28
24. Year-to-Date Daily Average PAD District 5	29

Crude oil supply and disposition and production by state

25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District.....	30
26. Production of Crude Oil by PAD District and State	31

Natural Gas Processing

27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts.....	32
--	----

Refinery Operations

28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts.....	33
29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts	35
30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts.....	37
31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts.....	39
32. Blender Net Inputs of Petroleum Products by PAD District.....	41
33. Blender Net Production of Petroleum Products by PAD District	42
34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts.....	43
35. Percent Yield of Petroleum Products by PAD and Refining Districts	45

Imports of residual fuel oil by state of entry

36. Imports of Residual Fuel Oil by Sulfur Content.....	46
---	----

Imports by PAD District

37. Imports of Crude Oil and Petroleum Products	47
38. Year-to-Date Imports of Crude Oil and Petroleum Products.....	48

Imports by country of origin

39. United States.....	49
40. Year-to-Date United States	53
41. PAD District 1	57
42. PAD District 2.....	61
43. PAD District 3.....	65
44. PAD Districts 4 and 5.....	69
45. Year-to-Date PAD District 1.....	73
46. Year-to-Date PAD District 2.....	77
47. Year-to-Date PAD District 3.....	81

48. Year-to-Date PAD Districts 4 and 5	85
Exports of Crude Oil and Petroleum Products	
49. Exports of Crude Oil and Petroleum Products by PAD District	89
50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District.....	90
51. Exports of Crude Oil and Petroleum Products by Destination	91
52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination	95
Net Imports	
53. Net Imports of Crude Oil and Petroleum Products into the United States by Country	99
54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country.....	103
Stocks	
55. Stocks of Crude Oil and Petroleum Products by PAD District.....	107
56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State	111
Movements of Crude Oil, Petroleum Products, and Biofuels	
57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts	113
58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts	115
59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts.....	117
60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts.....	119
61. Movements of Crude Oil by Pipeline, Tanker, Barge, and Rail between PAD Districts	120
62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail Between PAD Districts	121
Appendices	
A. District Descriptions and Maps	123
B. Explanatory Notes	126
D. Northeast Reserves.....	137
Glossary	
Definitions of Petroleum Products and Other Terms	138

Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	
Crude Oil⁴	327,957	--	--	168,406	20,694	-23,882	438,694	102,245	0	1,151,538
Hydrocarbon Gas Liquids	165,070	-586	22,077	4,038	--	26,023	13,087	61,875	89,614	282,764
Natural Gas Liquids	165,070	-586	14,206	3,564	--	25,100	13,087	61,875	82,192	277,303
Ethane	66,192	--	183	--	--	6,264	--	9,978	50,133	60,885
Propane	51,792	--	8,506	2,563	--	10,105	--	35,307	17,449	95,279
Normal Butane	13,974	--	6,255	656	--	5,054	2,487	12,821	523	67,625
Isobutane	13,738	--	-738	341	--	1,040	6,335	2	5,964	13,307
Natural Gasoline	19,374	-586	--	4	--	2,637	4,265	3,767	8,123	40,207
Refinery Olefins	--	--	7,871	474	--	923	--	--	7,422	5,461
Ethylene	--	--	21	--	--	0	--	--	21	0
Propylene	--	--	7,823	397	--	186	--	--	8,034	1,591
Normal Butylene	--	--	24	77	--	688	--	--	-587	3,821
Isobutylene	--	--	3	--	--	49	--	--	-46	49
Other Liquids	--	32,290	--	36,347	7,698	-20,205	82,934	11,850	1,756	319,276
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	32,291	--	1,518	3,747	-13	34,636	2,932	0	25,511
Hydrogen	--	--	--	--	6,228	--	6,228	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	32,291	--	1,515	-2,484	-19	28,408	2,932	0	25,485
Fuel Ethanol ⁵	--	28,419	--	846	69	359	26,566	2,409	0	20,143
Renewable Fuels Except Fuel Ethanol	--	3,872	--	669	-2,553	-378	1,842	524	0	5,342
Other Hydrocarbons	--	--	--	3	3	6	--	--	0	26
Unfinished Oils	--	--	--	17,927	--	-6,683	15,903	6,943	1,764	82,271
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-1	--	16,902	3,951	-13,506	32,384	1,974	0	211,464
Reformulated	--	--	--	7,804	3,957	-2,355	14,100	16	0	48,187
Conventional	--	-1	--	9,098	-5	-11,151	18,284	1,959	0	163,277
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-3	11	--	-8	30
Finished Petroleum Products	--	75	541,282	22,634	-1,659	-5,382	--	87,464	480,249	330,092
Finished Motor Gasoline	--	75	288,687	3,565	-4,020	846	--	23,698	263,763	25,151
Reformulated	--	--	88,208	--	-4,256	-6	--	--	83,958	47
Conventional	--	75	200,479	3,565	236	852	--	23,698	179,805	25,104
Finished Aviation Gasoline	--	--	221	41	--	-84	--	--	346	1,109
Kerosene-Type Jet Fuel	--	--	26,381	5,141	--	-902	--	943	31,481	40,091
Kerosene	--	--	665	8	--	229	--	129	315	2,360
Distillate Fuel Oil ⁵	--	--	149,502	4,507	2,361	1,353	--	41,455	113,561	178,914
15 ppm sulfur and under	--	--	143,373	4,466	2,361	1,749	--	35,870	112,580	165,790
Greater than 15 ppm to 500 ppm sulfur	--	--	3,619	38	--	-310	--	3,549	418	4,250
Greater than 500 ppm sulfur	--	--	2,510	3	--	-86	--	2,036	563	8,874
Residual Fuel Oil	--	--	5,965	5,808	--	-1,562	--	3,883	9,452	34,770
Less than 0.31 percent sulfur	--	--	734	132	--	-199	--	NA	NA	3,925
0.31 to 1.00 percent sulfur	--	--	2,130	1,340	--	-895	--	NA	NA	6,298
Greater than 1.00 percent sulfur	--	--	3,101	4,336	--	-468	--	NA	NA	24,547
Petrochemical Feedstocks	--	--	7,905	1,008	--	-51	--	--	8,964	2,717
Naphtha for Petro. Feed. Use	--	--	5,215	891	--	-87	--	--	6,193	1,921
Other Oils for Petro. Feed. Use	--	--	2,690	117	--	36	--	--	2,771	796
Special Naphthas	--	--	872	344	--	-51	--	--	1,267	1,044
Lubricants	--	--	4,593	790	--	-978	--	3,450	2,911	10,233
Waxes	--	--	108	125	--	-44	--	144	133	491
Petroleum Coke	--	--	23,099	167	--	-974	--	12,619	11,621	6,783
Marketable	--	--	16,930	167	--	-974	--	12,619	5,452	6,783
Catalyst	--	--	6,169	--	--	--	--	--	6,169	--
Asphalt and Road Oil	--	--	11,599	1,129	--	-3,214	--	1,102	14,840	25,778
Still Gas	--	--	19,302	--	--	--	--	--	19,302	--
Miscellaneous Products	--	--	2,383	1	--	50	--	40	2,294	651
Total	493,027	31,779	563,359	231,425	26,733	-23,446	534,715	263,433	571,620	2,083,670

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply					Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³	Ending Stocks
Crude Oil⁴	2,812,349	--	--	1,480,595	94,169	83,634	3,515,720	787,760	0	1,151,538
Hydrocarbon Gas Liquids	1,248,880	-4,244	149,703	35,119	--	71,029	114,871	501,517	742,041	282,764
Natural Gas Liquids	1,248,880	-4,244	88,437	31,447	--	68,534	114,871	501,517	679,598	277,303
Ethane	483,863	--	1,623	--	--	3,486	--	69,814	412,186	60,885
Propane	407,080	--	64,287	24,271	--	15,667	--	294,775	185,196	95,279
Normal Butane	112,183	--	26,851	5,325	--	27,970	34,596	85,268	-3,475	67,625
Isobutane	104,300	--	-4,324	1,800	--	2,102	47,894	773	51,007	13,307
Natural Gasoline	141,454	-4,244	--	51	--	19,309	32,381	50,887	34,684	40,207
Refinery Olefins	--	--	61,266	3,672	--	2,495	--	--	62,443	5,461
Ethylene	--	--	151	--	--	0	--	--	151	0
Propylene	--	--	62,154	3,106	--	-82	--	--	65,342	1,591
Normal Butylene	--	--	-993	566	--	2,548	--	--	-2,975	3,821
Isobutylene	--	--	-46	--	--	29	--	--	-75	49
Other Liquids	--	242,453	--	260,167	49,915	-25,838	449,324	104,093	24,956	319,276
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	242,472	--	8,931	28,411	-2,307	257,711	24,410	0	25,511
Hydrogen	--	--	--	--	50,821	--	50,821	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	242,472	--	8,877	-22,486	-2,323	206,776	24,410	0	25,485
Fuel Ethanol ⁵	--	214,392	--	1,789	-3,493	-2,206	193,188	21,706	0	20,143
Renewable Fuels Except Fuel Ethanol	--	28,080	--	7,088	-18,994	-117	13,588	2,704	0	5,342
Other Hydrocarbons	--	--	--	54	76	16	114	--	0	26
Unfinished Oils	--	--	--	137,810	--	-7,130	55,876	63,962	25,102	82,271
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	-19	--	113,426	21,505	-16,389	135,579	15,722	0	211,464
Reformulated	--	-3	--	39,304	50,447	-4,679	93,867	560	0	48,187
Conventional	--	-16	--	74,122	-28,942	-11,710	41,712	15,162	0	163,277
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-12	158	--	-146	30
Finished Petroleum Products	--	562	4,154,851	176,983	-625	38,242	--	698,730	3,594,799	330,092
Finished Motor Gasoline	--	562	2,099,931	26,452	-18,012	-823	--	163,953	1,945,803	25,151
Reformulated	--	--	642,575	--	-43,900	6	--	--	598,669	47
Conventional	--	562	1,457,356	26,452	25,888	-829	--	163,953	1,347,134	25,104
Finished Aviation Gasoline	--	--	2,419	171	--	7	--	--	2,583	1,109
Kerosene-Type Jet Fuel	--	--	256,430	36,568	--	-362	--	27,103	266,257	40,091
Kerosene	--	--	2,244	40	--	-495	--	520	2,259	2,360
Distillate Fuel Oil ⁵	--	--	1,190,132	41,623	17,387	38,928	--	303,756	906,457	178,914
15 ppm sulfur and under	--	--	1,129,185	40,190	17,387	41,092	--	251,797	893,872	165,790
Greater than 15 ppm to 500 ppm sulfur	--	--	29,777	1,072	--	-192	--	26,850	4,191	4,250
Greater than 500 ppm sulfur	--	--	31,170	361	--	-1,972	--	25,109	8,394	8,874
Residual Fuel Oil	--	--	50,615	40,288	--	3,866	--	38,080	48,957	34,770
Less than 0.31 percent sulfur	--	--	8,978	1,498	--	124	--	NA	NA	3,925
0.31 to 1.00 percent sulfur	--	--	16,927	8,940	--	872	--	NA	NA	6,298
Greater than 1.00 percent sulfur	--	--	24,710	29,850	--	2,878	--	NA	NA	24,547
Petrochemical Feedstocks	--	--	63,953	5,118	--	-437	--	--	69,508	2,717
Naphtha for Petro. Feed. Use	--	--	40,466	4,275	--	-278	--	--	45,019	1,921
Other Oils for Petro. Feed. Use	--	--	23,487	843	--	-159	--	--	24,489	796
Special Naphthas	--	--	7,564	3,445	--	-183	--	--	11,192	1,044
Lubricants	--	--	35,368	8,295	--	-2,453	--	22,568	23,548	10,233
Waxes	--	--	801	1,147	--	-235	--	1,043	1,140	491
Petroleum Coke	--	--	192,663	2,450	--	-2,276	--	135,624	61,765	6,783
Marketable	--	--	146,868	2,450	--	-2,276	--	135,624	15,970	6,783
Catalyst	--	--	45,795	--	--	--	--	--	45,795	--
Asphalt and Road Oil	--	--	80,343	11,378	--	2,723	--	5,743	83,255	25,778
Still Gas	--	--	152,042	--	--	--	--	--	152,042	--
Miscellaneous Products	--	--	20,346	8	--	-18	--	338	20,034	651
Total	4,061,229	238,771	4,304,554	1,952,864	143,459	167,067	4,079,915	2,092,100	4,361,796	2,083,670

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).
³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

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Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	10,579	--	--	5,432	668	-770	14,151	3,298	0
Hydrocarbon Gas Liquids	5,325	-19	712	130	--	839	422	1,996	2,891
Natural Gas Liquids	5,325	-19	458	115	--	810	422	1,996	2,651
Ethane	2,135	--	6	--	--	202	--	322	1,617
Propane	1,671	--	274	83	--	326	--	1,139	563
Normal Butane	451	--	202	21	--	163	80	414	17
Isobutane	443	--	-24	11	--	34	204	0	192
Natural Gasoline	625	-19	--	0	--	85	138	122	262
Refinery Olefins	--	--	254	15	--	30	--	--	239
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	252	13	--	6	--	--	259
Normal Butylene	--	--	1	2	--	22	--	--	-19
Isobutylene	--	--	0	--	--	2	--	--	-1
Other Liquids	--	1,042	--	1,172	248	-652	2,675	382	57
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,042	--	49	121	0	1,117	95	0
Hydrogen	--	--	--	--	201	--	201	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,042	--	49	-80	-1	916	95	0
Fuel Ethanol ⁵	--	917	--	27	2	12	857	78	0
Renewable Fuels Except Fuel Ethanol	--	125	--	22	-82	-12	59	17	0
Other Hydrocarbons	--	--	--	0	0	0	--	--	0
Unfinished Oils	--	--	--	578	--	-216	513	224	57
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	545	127	-436	1,045	64	0
Reformulated	--	--	--	252	128	-76	455	1	0
Conventional	--	0	--	293	0	-360	590	63	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	2	17,461	730	-54	-174	--	2,821	15,492
Finished Motor Gasoline	--	2	9,312	115	-130	27	--	764	8,508
Reformulated	--	--	2,845	--	-137	0	--	--	2,708
Conventional	--	2	6,467	115	8	27	--	764	5,800
Finished Aviation Gasoline	--	--	7	1	--	-3	--	--	11
Kerosene-Type Jet Fuel	--	--	851	166	--	-29	--	30	1,016
Kerosene	--	--	21	0	--	7	--	4	10
Distillate Fuel Oil ⁵	--	--	4,823	145	76	44	--	1,337	3,663
15 ppm sulfur and under	--	--	4,625	144	76	56	--	1,157	3,632
Greater than 15 ppm to 500 ppm sulfur	--	--	117	1	--	-10	--	114	13
Greater than 500 ppm sulfur	--	--	81	0	--	-3	--	66	18
Residual Fuel Oil	--	--	192	187	--	-50	--	125	305
Less than 0.31 percent sulfur	--	--	24	4	--	-6	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	69	43	--	-29	--	NA	NA
Greater than 1.00 percent sulfur	--	--	100	140	--	-15	--	NA	NA
Petrochemical Feedstocks	--	--	255	33	--	-2	--	--	289
Naphtha for Petro. Feed. Use	--	--	168	29	--	-3	--	--	200
Other Oils for Petro. Feed. Use	--	--	87	4	--	1	--	--	89
Special Naphthas	--	--	28	11	--	-2	--	--	41
Lubricants	--	--	148	25	--	-32	--	111	94
Waxes	--	--	3	4	--	-1	--	5	4
Petroleum Coke	--	--	745	5	--	-31	--	407	375
Marketable	--	--	546	5	--	-31	--	407	176
Catalyst	--	--	199	--	--	--	--	--	199
Asphalt and Road Oil	--	--	374	36	--	-104	--	36	479
Still Gas	--	--	623	--	--	--	--	--	623
Miscellaneous Products	--	--	77	0	--	2	--	1	74
Total	15,904	1,025	18,173	7,465	862	-756	17,249	8,498	18,439

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments ¹	Stock Change ²	Refinery and Blender Net Inputs	Exports	Products Supplied ³
Crude Oil⁴	11,526	--	--	6,068	386	343	14,409	3,229	0
Hydrocarbon Gas Liquids	5,118	-17	614	144	--	291	471	2,055	3,041
Natural Gas Liquids	5,118	-17	362	129	--	281	471	2,055	2,785
Ethane	1,983	--	--	--	--	14	--	286	1,689
Propane	1,668	--	263	99	--	64	--	1,208	759
Normal Butane	460	--	110	22	--	115	142	349	-14
Isobutane	427	--	-483	7	--	9	196	3	209
Natural Gasoline	580	-17	--	0	--	79	133	209	142
Refinery Olefins	--	--	251	15	--	10	--	--	256
Ethylene	--	--	1	--	--	0	--	--	1
Propylene	--	--	255	13	--	0	--	--	268
Normal Butylene	--	--	-4	2	--	10	--	--	-12
Isobutylene	--	--	176	--	--	0	--	--	0
Other Liquids	--	994	--	1,066	205	-106	1,841	427	102
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	994	--	37	116	-9	1,056	100	0
Hydrogen	--	--	--	--	208	--	208	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	994	--	36	-92	-10	847	100	0
Fuel Ethanol ⁵	--	879	--	7	-14	-9	792	89	0
Renewable Fuels Except Fuel Ethanol	--	115	--	29	-78	0	56	11	0
Other Hydrocarbons	--	--	--	0	0	0	0	--	0
Unfinished Oils	--	--	--	565	--	-29	229	262	103
Motor Gasoline Blend.Comp. (MGBC) ⁵	--	0	--	465	88	-67	556	64	0
Reformulated	--	0	--	161	207	-19	385	2	0
Conventional	--	0	--	304	-119	-48	171	62	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	2	17,028	725	-3	157	--	2,864	14,733
Finished Motor Gasoline	--	2	8,606	108	-74	-3	--	672	7,975
Reformulated	--	--	2,634	--	-180	0	--	--	2,454
Conventional	--	2	5,973	108	106	-3	--	672	5,521
Finished Aviation Gasoline	--	--	10	1	--	0	--	--	11
Kerosene-Type Jet Fuel	--	--	1,051	150	--	-1	--	111	1,091
Kerosene	--	--	9	0	--	-2	--	2	9
Distillate Fuel Oil ⁵	--	--	4,878	171	71	160	--	1,245	3,715
15 ppm sulfur and under	--	--	4,628	165	71	168	--	1,032	3,663
Greater than 15 ppm to 500 ppm sulfur	--	--	122	4	--	-1	--	110	17
Greater than 500 ppm sulfur	--	--	128	1	--	-8	--	103	34
Residual Fuel Oil	--	--	207	165	--	16	--	156	201
Less than 0.31 percent sulfur	--	--	37	6	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	69	37	--	4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	101	122	--	12	--	NA	NA
Petrochemical Feedstocks	--	--	262	21	--	-2	--	--	285
Naphtha for Petro. Feed. Use	--	--	166	18	--	-1	--	--	185
Other Oils for Petro. Feed. Use	--	--	96	3	--	-1	--	--	100
Special Naphthas	--	--	31	14	--	-1	--	--	46
Lubricants	--	--	145	34	--	-10	--	92	97
Waxes	--	--	3	5	--	-1	--	4	5
Petroleum Coke	--	--	790	10	--	-9	--	556	253
Marketable	--	--	602	10	--	-9	--	556	65
Catalyst	--	--	188	--	--	--	--	--	188
Asphalt and Road Oil	--	--	329	47	--	11	--	24	341
Still Gas	--	--	623	--	--	--	--	--	623
Miscellaneous Products	--	--	83	0	--	0	--	1	82
Total	16,644	979	17,642	8,004	588	685	16,721	8,574	17,876

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

³ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁴ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

⁵ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	2,157	--	--	14,442	3,140	-200	576	18,573	390	0	12,065
Hydrocarbon Gas Liquids	19,743	-9	927	729	1,538	--	1,768	760	8,878	11,522	13,129
Natural Gas Liquids	19,743	-9	467	490	998	--	1,680	760	8,878	10,371	12,935
Ethane	7,522	--	--	--	-5,268	--	412	--	1,741	101	803
Propane	7,002	--	364	450	5,283	--	734	--	5,282	7,083	8,505
Normal Butane	2,224	--	180	7	1,433	--	619	199	1,747	1,279	3,154
Isobutane	925	--	-77	33	-147	--	-33	251	--	516	189
Natural Gasoline	2,070	-9	--	--	-303	--	-52	310	109	1,391	284
Refinery Olefins	--	--	460	239	540	--	88	--	--	1,151	194
Ethylene	--	--	13	--	--	--	--	--	--	13	--
Propylene	--	--	453	239	540	--	24	--	--	1,208	116
Normal Butylene	--	--	-46	--	--	--	15	--	--	-61	29
Isobutylene	--	--	40	--	--	--	49	--	--	-9	49
Other Liquids	--	534	--	17,256	57,087	3,797	-6,859	84,983	116	434	69,330
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	534	--	67	9,099	431	107	9,937	87	0	7,368
Hydrogen	--	--	--	--	--	107	--	107	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	534	--	67	9,099	324	107	9,830	87	0	7,368
Fuel Ethanol	--	378	--	--	8,984	320	5	9,594	83	0	6,108
Renewable Fuels Except Fuel Ethanol	--	156	--	67	115	4	102	236	4	0	1,260
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	2,379	-43	--	-405	2,286	21	434	3,870
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	14,810	48,031	3,366	-6,561	72,760	8	0	58,092
Reformulated	--	--	--	7,486	9,058	1,544	488	17,596	4	0	19,864
Conventional	--	--	--	7,324	38,973	1,823	-7,049	55,164	5	0	38,228
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	104,577	10,183	33,822	-3,691	-2,083	--	2,704	144,270	99,324
Finished Motor Gasoline	--	--	93,770	2,651	2,912	-3,686	-409	--	309	95,747	3,801
Reformulated	--	--	35,876	--	--	-2,372	-4	--	--	33,508	31
Conventional	--	--	57,894	2,651	2,912	-1,314	-405	--	309	62,239	3,770
Finished Aviation Gasoline	--	--	--	1	42	--	-18	--	--	61	259
Kerosene-Type Jet Fuel	--	--	305	1,734	6,611	--	277	--	3	8,370	9,822
Kerosene	--	--	36	--	438	--	255	--	1	218	2,026
Distillate Fuel Oil ⁶	--	--	6,233	3,545	21,416	-5	-666	--	591	31,264	65,387
15 ppm sulfur and under	--	--	6,233	3,507	20,695	-5	-863	--	107	31,276	60,949
Greater than 15 ppm to 500 ppm sulfur	--	--	28	38	144	--	345	--	483	-618	1,662
Greater than 500 ppm sulfur	--	--	-118	--	577	--	-148	--	1	606	2,776
Residual Fuel Oil	--	--	1,053	1,288	125	--	-380	--	928	1,918	9,588
Less than 0.31 percent sulfur	--	--	0	--	--	--	-40	--	NA	NA	1,000
0.31 to 1.00 percent sulfur	--	--	867	565	72	--	-138	--	NA	NA	2,830
Greater than 1.00 percent sulfur	--	--	186	723	53	--	-202	--	NA	NA	5,758
Petrochemical Feedstocks	--	--	--	354	--	--	--	--	--	354	--
Naphtha for Petro. Feed. Use	--	--	--	354	--	--	--	--	--	354	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	18	2	--	--	-6	--	--	26	34
Lubricants	--	--	274	89	544	--	-165	--	226	846	1,115
Waxes	--	--	-17	92	--	--	-42	--	69	48	239
Petroleum Coke	--	--	648	--	461	--	--	--	513	596	--
Marketable	--	--	205	--	461	--	--	--	513	153	--
Catalyst	--	--	443	--	--	--	--	--	--	443	--
Asphalt and Road Oil	--	--	1,255	427	1,228	--	-935	--	49	3,796	7,000
Still Gas	--	--	924	--	--	--	--	--	--	924	--
Miscellaneous Products	--	--	78	--	45	--	6	--	15	102	53
Total	21,900	525	105,504	42,610	95,586	-94	-6,598	104,316	12,088	156,225	193,848

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	16,577	--	--	104,156	45,819	-6,908	2,419	150,820	6,405	0	12,065
Hydrocarbon Gas Liquids	147,059	-79	5,872	9,012	12,313	--	3,507	6,689	63,570	100,411	13,129
Natural Gas Liquids	147,059	-79	3,116	7,169	9,491	--	3,621	6,689	63,570	92,876	12,935
Ethane	55,509	--	--	--	-40,615	--	64	--	13,208	1,622	803
Propane	52,737	--	3,194	6,688	43,368	--	1,947	--	35,456	68,584	8,505
Normal Butane	16,826	--	405	156	11,088	--	1,657	3,067	14,047	9,704	3,154
Isobutane	6,906	--	-483	325	-2,039	--	21	1,657	6	3,025	189
Natural Gasoline	15,081	-79	--	--	-2,311	--	-68	1,965	852	9,942	284
Refinery Olefins	--	--	2,756	1,843	2,822	--	-114	--	--	7,535	194
Ethylene	--	--	83	--	--	--	--	--	--	83	--
Propylene	--	--	2,752	1,843	2,822	--	-35	--	--	7,452	116
Normal Butylene	--	--	-255	--	--	--	-113	--	--	-142	29
Isobutylene	--	--	176	--	--	--	34	--	--	142	49
Other Liquids	--	4,821	--	112,089	448,416	39,441	-4,362	608,097	1,959	-926	69,330
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	4,830	--	1,386	67,538	-835	-1,211	72,996	1,134	0	7,368
Hydrogen	--	--	--	--	--	876	--	876	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	4,830	--	1,386	67,538	-1,711	-1,211	72,120	1,134	0	7,368
Fuel Ethanol	--	3,819	--	--	66,039	-546	-1,153	69,516	949	0	6,108
Renewable Fuels Except Fuel Ethanol	--	1,011	--	1,386	1,498	-1,165	-58	2,604	185	0	1,260
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	16,001	788	--	-271	17,697	289	-926	3,870
Motor Gasoline Blend.Comp. (MGBC)	--	-9	--	94,702	380,090	40,277	-2,880	517,404	536	0	58,092
Reformulated	--	--	--	38,184	63,351	21,034	-1,291	123,847	13	0	19,864
Conventional	--	-9	--	56,518	316,739	19,243	-1,589	393,557	523	0	38,228
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	767,716	89,092	335,422	-38,567	24,358	--	21,963	1,107,342	99,324
Finished Motor Gasoline	--	--	675,304	22,333	26,594	-39,730	-831	--	1,237	684,094	3,801
Reformulated	--	--	253,791	--	--	-20,309	3	--	--	233,479	31
Conventional	--	--	421,513	22,333	26,594	-19,421	-834	--	1,237	450,615	3,770
Finished Aviation Gasoline	--	--	--	36	521	--	60	--	--	497	259
Kerosene-Type Jet Fuel	--	--	8,269	10,573	69,556	--	977	--	1,783	85,638	9,822
Kerosene	--	--	515	--	1,273	--	-179	--	153	1,814	2,026
Distillate Fuel Oil ⁶	--	--	51,938	34,485	219,475	1,163	20,585	--	8,569	277,907	65,387
15 ppm sulfur and under	--	--	52,144	33,150	210,880	1,163	21,217	--	5,814	270,306	60,949
Greater than 15 ppm to 500 ppm sulfur	--	--	816	1,072	1,052	--	191	--	2,078	671	1,662
Greater than 500 ppm sulfur	--	--	-1,022	263	7,543	--	-823	--	677	6,930	2,776
Residual Fuel Oil	--	--	7,453	11,997	1,521	--	1,917	--	2,427	16,627	9,588
Less than 0.31 percent sulfur	--	--	-370	1,105	1,118	--	-677	--	NA	NA	1,000
0.31 to 1.00 percent sulfur	--	--	5,844	5,599	350	--	743	--	NA	NA	2,830
Greater than 1.00 percent sulfur	--	--	1,979	5,293	53	--	1,851	--	NA	NA	5,758
Petrochemical Feedstocks	--	--	-5	877	--	--	-45	--	--	917	--
Naphtha for Petro. Feed. Use	--	--	-5	870	--	--	-45	--	--	910	--
Other Oils for Petro. Feed. Use	--	--	--	7	--	--	--	--	--	7	--
Special Naphthas	--	--	110	11	--	--	1	--	--	120	34
Lubricants	--	--	2,633	1,032	4,082	--	-327	--	1,454	6,620	1,115
Waxes	--	--	-62	576	--	--	-170	--	506	178	239
Petroleum Coke	--	--	5,528	18	3,687	--	--	--	5,275	3,959	--
Marketable	--	--	2,387	18	3,687	--	--	--	5,275	818	--
Catalyst	--	--	3,141	--	--	--	--	--	--	3,141	--
Asphalt and Road Oil	--	--	8,211	7,154	8,382	--	2,350	--	445	20,952	7,000
Still Gas	--	--	7,171	--	--	--	--	--	--	7,171	--
Miscellaneous Products	--	--	651	--	331	--	20	--	115	847	53
Total	163,636	4,742	773,588	314,349	841,970	-6,034	25,922	765,606	93,897	1,206,827	193,848

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	70	--	--	466	101	-6	19	599	13	0
Hydrocarbon Gas Liquids	637	0	30	24	50	--	57	25	286	372
Natural Gas Liquids	637	0	15	16	32	--	54	25	286	335
Ethane	243	--	--	--	-170	--	13	--	56	3
Propane	226	--	12	15	170	--	24	--	170	228
Normal Butane	72	--	6	0	46	--	20	6	56	41
Isobutane	30	--	-2	1	-5	--	-1	8	--	17
Natural Gasoline	67	0	--	--	-10	--	-2	10	4	45
Refinery Olefins	--	--	15	8	17	--	3	--	--	37
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	15	8	17	--	1	--	--	39
Normal Butylene	--	--	-1	--	--	--	0	--	--	-2
Isobutylene	--	--	1	--	--	--	2	--	--	0
Other Liquids	--	17	--	557	1,842	122	-221	2,741	4	14
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	17	--	2	294	14	3	321	3	0
Hydrogen	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	17	--	2	294	10	3	317	3	0
Fuel Ethanol ⁶	--	12	--	--	290	10	0	309	3	0
Renewable Fuels Except Fuel Ethanol	--	5	--	2	4	0	3	8	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	77	-1	--	-13	74	1	14
Motor Gasoline Blend Comp. (MGBC) ⁶	--	--	--	478	1,549	109	-212	2,347	0	0
Reformulated	--	--	--	241	292	50	16	568	0	0
Conventional	--	--	--	236	1,257	59	-227	1,779	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,373	328	1,091	-119	-67	--	87	4,654
Finished Motor Gasoline	--	--	3,025	86	94	-119	-13	--	10	3,089
Reformulated	--	--	1,157	--	--	-77	0	--	--	1,081
Conventional	--	--	1,868	86	94	-42	-13	--	10	2,008
Finished Aviation Gasoline	--	--	--	0	1	--	-1	--	--	2
Kerosene-Type Jet Fuel	--	--	10	56	213	--	9	--	0	270
Kerosene	--	--	1	--	14	--	8	--	0	7
Distillate Fuel Oil ⁶	--	--	201	114	691	0	-21	--	19	1,009
15 ppm sulfur and under	--	--	204	113	668	0	-28	--	3	1,009
Greater than 15 ppm to 500 ppm sulfur	--	--	1	1	5	--	11	--	16	-20
Greater than 500 ppm sulfur	--	--	-4	--	19	--	-5	--	0	20
Residual Fuel Oil	--	--	34	42	4	--	-12	--	30	62
Less than 0.31 percent sulfur	--	--	0	--	--	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	28	18	2	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	6	23	2	--	-7	--	NA	NA
Petrochemical Feedstocks	--	--	--	11	--	--	--	--	--	11
Naphtha for Petro. Feed. Use	--	--	--	11	--	--	--	--	--	11
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	0	--	--	0	--	--	1
Lubricants	--	--	9	3	18	--	-5	--	7	27
Waxes	--	--	-1	3	--	--	-1	--	2	2
Petroleum Coke	--	--	21	--	15	--	--	--	17	19
Marketable	--	--	7	--	15	--	--	--	17	5
Catalyst	--	--	14	--	--	--	--	--	--	14
Asphalt and Road Oil	--	--	40	14	40	--	-30	--	2	122
Still Gas	--	--	30	--	--	--	--	--	--	30
Miscellaneous Products	--	--	3	--	1	--	0	--	0	3
Total	706	17	3,403	1,375	3,083	-3	-213	3,365	390	5,040

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	68	--	--	427	188	-28	10	618	26	0
Hydrocarbon Gas Liquids	603	0	24	37	50	--	14	27	261	412
Natural Gas Liquids	603	0	13	29	39	--	15	27	261	381
Ethane	227	--	--	--	-166	--	0	--	54	7
Propane	216	--	13	27	178	--	8	--	145	281
Normal Butane	69	--	2	1	45	--	7	13	58	40
Isobutane	28	--	-2	1	-8	--	0	7	0	12
Natural Gasoline	62	0	--	--	-9	--	0	8	3	41
Refinery Olefins	--	--	11	8	12	--	0	--	--	31
Ethylene	--	--	0	--	--	--	--	--	--	0
Propylene	--	--	11	8	12	--	0	--	--	31
Normal Butylene	--	--	-1	--	--	--	0	--	--	-1
Isobutylene	--	--	1	--	--	--	0	--	--	1
Other Liquids	--	20	--	459	1,838	162	-18	2,492	8	-4
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	20	--	6	277	-3	-5	299	5	0
Hydrogen	--	--	--	--	--	4	--	4	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	20	--	6	277	-7	-5	296	5	0
Fuel Ethanol ⁶	--	16	--	--	271	-2	-5	285	4	0
Renewable Fuels Except Fuel Ethanol	--	4	--	6	6	-5	0	11	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	66	3	--	-1	73	1	-4
Motor Gasoline Blend Comp. (MGBC) ⁶	--	0	--	388	1,558	165	-12	2,121	2	0
Reformulated	--	--	--	156	260	86	-5	508	0	0
Conventional	--	0	--	232	1,298	79	-7	1,613	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	3,146	365	1,375	-158	100	--	90	4,538
Finished Motor Gasoline	--	--	2,768	92	109	-163	-3	--	5	2,804
Reformulated	--	--	1,040	--	--	-83	0	--	--	957
Conventional	--	--	1,728	92	109	-80	-3	--	5	1,847
Finished Aviation Gasoline	--	--	--	0	2	--	0	--	--	2
Kerosene-Type Jet Fuel	--	--	34	43	285	--	4	--	7	351
Kerosene	--	--	2	--	5	--	-1	--	1	7
Distillate Fuel Oil ⁶	--	--	213	141	899	5	84	--	35	1,139
15 ppm sulfur and under	--	--	214	136	864	5	87	--	24	1,108
Greater than 15 ppm to 500 ppm sulfur	--	--	3	4	4	--	1	--	9	3
Greater than 500 ppm sulfur	--	--	-4	1	31	--	-3	--	3	28
Residual Fuel Oil	--	--	31	49	6	--	8	--	10	68
Less than 0.31 percent sulfur	--	--	-2	5	5	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	24	23	1	--	3	--	NA	NA
Greater than 1.00 percent sulfur	--	--	8	22	0	--	8	--	NA	NA
Petrochemical Feedstocks	--	--	0	4	--	--	0	--	--	4
Naphtha for Petro. Feed. Use	--	--	0	4	--	--	0	--	--	4
Other Oils for Petro. Feed. Use	--	--	--	0	--	--	--	--	--	0
Special Naphthas	--	--	0	0	--	--	0	--	--	0
Lubricants	--	--	11	4	17	--	-1	--	6	27
Waxes	--	--	0	2	--	--	-1	--	2	1
Petroleum Coke	--	--	23	0	15	--	--	--	22	16
Marketable	--	--	10	0	15	--	--	--	22	3
Catalyst	--	--	13	--	--	--	--	--	--	13
Asphalt and Road Oil	--	--	34	29	34	--	10	--	2	86
Still Gas	--	--	29	--	--	--	--	--	--	29
Miscellaneous Products	--	--	3	--	1	--	0	--	0	3
Total	671	19	3,170	1,288	3,451	-25	106	3,138	385	4,946

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	56,057	--	--	76,772	-12,259	-2,307	-132	113,605	4,790	0	140,078
Hydrocarbon Gas Liquids	32,443	-556	5,335	1,722	-17,472	--	5,638	2,110	7,090	6,634	66,316
Natural Gas Liquids	32,443	-556	3,954	1,520	-16,569	--	5,532	2,110	7,090	6,060	65,595
Ethane	11,699	--	--	--	-5,369	--	-454	--	3,098	3,686	6,884
Propane	11,152	--	2,379	1,153	-9,816	--	3,168	--	163	1,537	26,043
Normal Butane	3,515	--	1,857	84	-3,373	--	2,543	26	300	-786	19,394
Isobutane	2,233	--	-282	279	15	--	164	1,375	1	705	2,293
Natural Gasoline	3,844	-556	--	4	1,974	--	111	709	3,529	917	10,981
Refinery Olefins	--	--	1,381	202	-903	--	106	--	--	574	721
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,196	158	-903	--	-38	--	--	489	298
Normal Butylene	--	--	185	44	--	--	144	--	--	85	423
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	29,845	--	263	-11,658	-2,554	-2,875	17,668	1,924	-821	62,065
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	29,846	--	101	-19,341	-534	20	9,009	1,043	0	7,757
Hydrogen	--	--	--	--	--	1,186	--	1,186	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	29,846	--	101	-19,341	-1,726	14	7,823	1,043	0	7,731
Fuel Ethanol	--	27,029	--	--	-18,672	-410	-16	7,272	691	0	6,720
Renewable Fuels Except Fuel Ethanol	--	2,817	--	101	-669	-1,316	30	551	353	0	1,011
Other Hydrocarbons	--	--	--	--	--	6	6	--	--	0	26
Unfinished Oils	--	--	--	71	-134	--	-446	430	774	-821	12,843
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	91	7,817	-2,019	-2,449	8,229	108	0	41,465
Reformulated	--	--	--	--	2,151	-1,087	43	1,021	--	0	5,539
Conventional	--	-1	--	91	5,666	-932	-2,492	7,208	108	0	35,926
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	75	134,391	1,143	1,209	3,747	-140	--	1,679	139,026	64,271
Finished Motor Gasoline	--	75	76,388	37	195	2,429	340	--	314	78,470	7,134
Reformulated	--	--	9,822	--	--	1,259	--	--	--	11,081	--
Conventional	--	75	66,566	37	195	1,171	340	--	314	67,390	7,134
Finished Aviation Gasoline	--	--	29	5	10	--	-18	--	--	62	92
Kerosene-Type Jet Fuel	--	--	5,534	--	1,317	--	-296	--	17	7,130	6,630
Kerosene	--	--	195	--	--	--	0	--	2	193	149
Distillate Fuel Oil	--	--	34,084	186	1,696	1,317	820	--	203	36,261	35,313
15 ppm sulfur and under	--	--	33,932	184	1,532	1,317	723	--	2	36,240	34,487
Greater than 15 ppm to 500 ppm sulfur	--	--	73	--	164	--	-36	--	12	261	291
Greater than 500 ppm sulfur	--	--	79	2	--	--	133	--	188	-240	535
Residual Fuel Oil	--	--	1,023	32	-490	--	46	--	278	241	1,261
Less than 0.31 percent sulfur	--	--	72	--	--	--	1	--	NA	NA	50
0.31 to 1.00 percent sulfur	--	--	397	14	-402	--	39	--	NA	NA	416
Greater than 1.00 percent sulfur	--	--	554	18	-88	--	6	--	NA	NA	795
Petrochemical Feedstocks	--	--	885	141	-45	--	-14	--	--	995	509
Naphtha for Petro. Feed. Use	--	--	540	83	-45	--	-42	--	--	620	392
Other Oils for Petro. Feed. Use	--	--	345	58	--	--	28	--	--	375	117
Special Naphthas	--	--	-28	10	18	--	-8	--	--	8	160
Lubricants	--	--	191	117	173	--	-25	--	229	277	611
Waxes	--	--	24	12	--	--	-6	--	22	20	36
Petroleum Coke	--	--	5,624	12	-940	--	361	--	515	3,821	2,269
Marketable	--	--	4,171	12	-940	--	361	--	515	2,368	2,269
Catalyst	--	--	1,453	--	--	--	--	--	--	1,453	--
Asphalt and Road Oil	--	--	5,562	591	-681	--	-1,342	--	96	6,719	10,004
Still Gas	--	--	4,393	--	--	--	--	--	--	4,393	--
Miscellaneous Products	--	--	487	--	-45	--	2	--	5	435	103
Total	88,500	29,364	139,726	79,900	-40,180	-1,114	2,491	133,383	15,483	144,839	332,730

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil	451,586	--	--	647,310	-192,374	-14,872	13,489	840,952	37,210	0	140,078
Hydrocarbon Gas Liquids	243,073	-3,980	30,740	13,295	-116,753	--	19,031	18,267	75,239	53,838	66,316
Natural Gas Liquids	243,073	-3,980	20,547	11,658	-111,137	--	18,614	18,267	75,239	48,041	65,595
Ethane	83,423	--	--	--	-29,818	--	1,469	--	22,837	29,299	6,884
Propane	87,180	--	16,886	8,618	-78,861	--	6,027	--	1,613	26,183	26,043
Normal Butane	29,138	--	5,168	1,706	-28,501	--	10,249	3,583	1,719	-8,040	19,394
Isobutane	15,384	--	-1,507	1,283	-605	--	396	10,541	6	3,612	2,293
Natural Gasoline	27,948	-3,980	--	51	26,648	--	473	4,143	49,064	-3,013	10,981
Refinery Olefins	--	--	10,193	1,637	-5,616	--	417	--	--	5,797	721
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9,517	1,263	-5,616	--	14	--	--	5,150	298
Normal Butylene	--	--	676	374	--	--	403	--	--	647	423
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	222,353	--	3,417	-94,364	-26,844	-7,847	102,096	18,442	-8,129	62,065
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	222,363	--	807	-142,466	-10,658	-1,055	65,430	5,672	0	7,757
Hydrogen	--	--	--	--	--	9,061	--	9,061	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	222,363	--	807	-142,466	-19,849	-1,071	56,255	5,672	0	7,731
Fuel Ethanol	--	202,077	--	--	-136,327	-10,089	-1,144	52,723	4,081	0	6,720
Renewable Fuels Except Fuel Ethanol	--	20,286	--	807	-6,138	-9,759	73	3,532	1,590	0	1,011
Other Hydrocarbons	--	--	--	--	--	130	16	114	--	0	26
Unfinished Oils	--	--	--	519	-2,848	--	-578	-5,426	11,804	-8,129	12,843
Motor Gasoline Blend.Comp. (MGBC)	--	-10	--	2,091	50,950	-16,187	-6,214	42,092	966	0	41,465
Reformulated	--	-3	--	--	14,195	-5,464	-64	8,791	1	0	5,539
Conventional	--	-7	--	2,091	36,755	-10,722	-6,150	33,301	966	0	35,926
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	562	980,258	8,389	13,957	36,036	3,787	--	8,650	1,026,766	64,271
Finished Motor Gasoline	--	562	548,430	37	-427	26,276	-187	--	1,572	573,493	7,134
Reformulated	--	--	72,394	--	--	7,158	--	--	--	79,552	--
Conventional	--	562	476,036	37	-427	19,118	-187	--	1,572	493,941	7,134
Finished Aviation Gasoline	--	--	129	29	122	--	-59	--	--	339	92
Kerosene-Type Jet Fuel	--	--	42,597	--	9,271	--	-137	--	775	51,230	6,630
Kerosene	--	--	613	--	--	--	-173	--	7	779	149
Distillate Fuel Oil	--	--	258,335	1,751	22,585	9,760	3,860	--	1,033	287,539	35,313
15 ppm sulfur and under	--	--	258,515	1,660	21,853	9,760	4,028	--	5	287,755	34,487
Greater than 15 ppm to 500 ppm sulfur	--	--	799	--	620	--	-189	--	129	1,479	291
Greater than 500 ppm sulfur	--	--	-979	91	112	--	21	--	899	-1,696	535
Residual Fuel Oil	--	--	7,405	746	-5,246	--	14	--	1,395	1,496	1,261
Less than 0.31 percent sulfur	--	--	525	--	-380	--	-147	--	NA	NA	50
0.31 to 1.00 percent sulfur	--	--	2,919	371	-2,741	--	167	--	NA	NA	416
Greater than 1.00 percent sulfur	--	--	3,961	375	-2,125	--	-6	--	NA	NA	795
Petrochemical Feedstocks	--	--	6,480	1,253	-622	--	-11	--	--	7,122	509
Naphtha for Petro. Feed. Use	--	--	3,689	678	-591	--	-32	--	--	3,808	392
Other Oils for Petro. Feed. Use	--	--	2,791	575	-31	--	21	--	--	3,314	117
Special Naphthas	--	--	-14	56	130	--	-18	--	--	190	160
Lubricants	--	--	1,275	954	1,340	--	-79	--	1,417	2,231	611
Waxes	--	--	207	103	--	--	-5	--	204	111	36
Petroleum Coke	--	--	42,692	195	-7,764	--	193	--	1,651	33,279	2,269
Marketable	--	--	32,536	195	-7,764	--	193	--	1,651	23,123	2,269
Catalyst	--	--	10,156	--	--	--	--	--	--	10,156	--
Asphalt and Road Oil	--	--	36,443	3,265	-5,115	--	387	--	570	33,636	10,004
Still Gas	--	--	31,972	--	--	--	--	--	--	31,972	--
Miscellaneous Products	--	--	3,694	--	-317	--	2	--	27	3,348	103
Total	694,659	218,935	1,010,998	672,411	-389,534	-5,680	28,460	961,315	139,540	1,072,475	332,730

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,808	--	--	2,477	-395	-74	-4	3,665	155	0
Hydrocarbon Gas Liquids	1,047	-18	172	56	-564	--	182	68	229	214
Natural Gas Liquids	1,047	-18	128	49	-534	--	178	68	229	195
Ethane	377	--	--	--	-173	--	-15	--	100	119
Propane	360	--	77	37	-317	--	102	--	5	50
Normal Butane	113	--	60	3	-109	--	82	1	10	-25
Isobutane	72	--	-9	9	0	--	5	44	0	23
Natural Gasoline	124	-18	--	0	64	--	4	23	114	30
Refinery Olefins	--	--	45	7	-29	--	3	--	--	19
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	5	-29	--	-1	--	--	16
Normal Butylene	--	--	6	1	--	--	5	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	963	--	8	-376	-82	-93	570	62	-26
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	963	--	3	-624	-17	1	291	34	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	963	--	3	-624	-56	0	252	34	0
Fuel Ethanol	--	872	--	--	-602	-13	-1	235	22	0
Renewable Fuels Except Fuel Ethanol	--	91	--	3	-22	-42	1	18	11	0
Other Hydrocarbons	--	--	--	--	--	0	0	--	--	0
Unfinished Oils	--	--	--	2	-4	--	-14	14	25	-26
Motor Gasoline Blend Comp. (MGBG)	--	0	--	3	252	-65	-79	265	3	0
Reformulated	--	--	--	--	69	-35	1	33	--	0
Conventional	--	0	--	3	183	-30	-80	233	3	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	4,335	37	39	121	-5	--	54	4,485
Finished Motor Gasoline	--	2	2,464	1	6	78	11	--	10	2,531
Reformulated	--	--	317	--	--	41	--	--	--	357
Conventional	--	2	2,147	1	6	38	11	--	10	2,174
Finished Aviation Gasoline	--	--	1	0	0	--	-1	--	--	2
Kerosene-Type Jet Fuel	--	--	179	--	42	--	-10	--	1	230
Kerosene	--	--	6	--	--	--	0	--	0	6
Distillate Fuel Oil	--	--	1,099	6	55	42	26	--	7	1,170
15 ppm sulfur and under	--	--	1,095	6	49	42	23	--	0	1,169
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	5	--	-1	--	0	8
Greater than 500 ppm sulfur	--	--	3	0	--	--	4	--	6	-8
Residual Fuel Oil	--	--	33	1	-16	--	1	--	9	8
Less than 0.31 percent sulfur	--	--	2	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	13	0	-13	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	18	1	-3	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	29	5	-1	--	0	--	--	32
Naphtha for Petro. Feed. Use	--	--	17	3	-1	--	-1	--	--	20
Other Oils for Petro. Feed. Use	--	--	11	2	--	--	1	--	--	12
Special Naphthas	--	--	-1	0	1	--	0	--	--	0
Lubricants	--	--	6	4	6	--	-1	--	7	9
Waxes	--	--	1	0	--	--	0	--	1	1
Petroleum Coke	--	--	181	0	-30	--	12	--	17	123
Marketable	--	--	135	0	-30	--	12	--	17	76
Catalyst	--	--	47	--	--	--	--	--	--	47
Asphalt and Road Oil	--	--	179	19	-22	--	-43	--	3	217
Still Gas	--	--	142	--	--	--	--	--	--	142
Miscellaneous Products	--	--	16	--	-1	--	0	--	0	14
Total	2,855	947	4,507	2,577	-1,296	-36	80	4,303	499	4,672

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	1,851	--	--	2,653	-788	-61	55	3,447	152	0
Hydrocarbon Gas Liquids	996	-16	126	54	-478	--	78	75	308	221
Natural Gas Liquids	996	-16	84	48	-455	--	76	75	308	197
Ethane	342	--	--	--	-122	--	6	--	94	120
Propane	357	--	69	35	-323	--	25	--	7	107
Normal Butane	119	--	21	7	-117	--	42	15	7	-33
Isobutane	63	--	-6	5	-2	--	2	43	0	15
Natural Gasoline	115	-16	--	0	109	--	2	17	201	-12
Refinery Olefins	--	--	42	7	-23	--	2	--	--	24
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	39	5	-23	--	0	--	--	21
Normal Butylene	--	--	3	2	--	--	2	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	911	--	14	-387	-110	-32	418	76	-33
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	911	--	3	-584	-44	-4	268	23	0
Hydrogen	--	--	--	--	--	37	--	37	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	911	--	3	-584	-81	-4	231	23	0
Fuel Ethanol	--	828	--	--	-559	-41	-5	216	17	0
Renewable Fuels Except Fuel Ethanol	--	83	--	3	-25	-40	0	14	7	0
Other Hydrocarbons	--	--	--	--	--	1	0	0	--	0
Unfinished Oils	--	--	--	2	-12	--	-2	-22	48	-33
Motor Gasoline Blend Comp. (MGBC)	--	0	--	9	209	-66	-25	173	4	0
Reformulated	--	0	--	--	58	-22	0	36	0	0
Conventional	--	0	--	9	151	-44	-25	136	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	2	4,017	34	57	148	16	--	35	4,208
Finished Motor Gasoline	--	2	2,248	0	-2	108	-1	--	6	2,350
Reformulated	--	--	297	--	--	29	--	--	--	326
Conventional	--	2	1,951	0	-2	78	-1	--	6	2,024
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	175	--	38	--	-1	--	3	210
Kerosene	--	--	3	--	--	--	-1	--	0	3
Distillate Fuel Oil	--	--	1,059	7	93	40	16	--	4	1,178
15 ppm sulfur and under	--	--	1,059	7	90	40	17	--	0	1,179
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	3	--	-1	--	1	6
Greater than 500 ppm sulfur	--	--	-4	0	0	--	0	--	4	-7
Residual Fuel Oil	--	--	30	3	-22	--	0	--	6	6
Less than 0.31 percent sulfur	--	--	2	--	-2	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	2	-11	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	16	2	-9	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	27	5	-3	--	0	--	--	29
Naphtha for Petro. Feed. Use	--	--	15	3	-2	--	0	--	--	16
Other Oils for Petro. Feed. Use	--	--	11	2	0	--	0	--	--	14
Special Naphthas	--	--	0	0	1	--	0	--	--	1
Lubricants	--	--	5	4	5	--	0	--	6	9
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	175	1	-32	--	1	--	7	136
Marketable	--	--	133	1	-32	--	1	--	7	95
Catalyst	--	--	42	--	--	--	--	--	--	42
Asphalt and Road Oil	--	--	149	13	-21	--	2	--	2	138
Still Gas	--	--	131	--	--	--	--	--	--	131
Miscellaneous Products	--	--	15	--	-1	--	0	--	0	14
Total	2,847	897	4,143	2,756	-1,596	-23	117	3,940	572	4,395

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	218,324	--	--	36,555	22,453	22,805	-24,303	228,675	95,765	0	920,092
Hydrocarbon Gas Liquids	94,201	-11	13,633	33	29,636	--	15,454	8,000	44,237	69,801	188,917
Natural Gas Liquids	94,201	-11	7,810	--	29,273	--	14,682	8,000	44,237	64,354	184,482
Ethane	41,179	--	183	--	15,938	--	5,846	--	5,139	46,315	51,935
Propane	27,791	--	4,529	--	8,872	--	4,583	--	29,185	7,424	54,704
Normal Butane	5,585	--	3,616	--	3,405	--	966	1,729	9,842	69	39,769
Isobutane	9,374	--	-518	--	955	--	847	3,853	1	5,110	9,945
Natural Gasoline	10,272	-11	--	--	103	--	2,440	2,418	70	5,436	28,129
Refinery Olefins	--	--	5,823	33	363	--	772	--	--	5,447	4,435
Ethylene	--	--	8	--	--	--	0	--	--	8	0
Propylene	--	--	6,045	--	363	--	198	--	--	6,210	1,166
Normal Butylene	--	--	-193	33	--	--	574	--	--	-734	3,269
Isobutylene	--	--	-37	--	--	--	0	--	--	-37	0
Other Liquids	--	1,086	--	14,641	-54,961	7,110	-9,103	-34,018	9,347	1,648	130,677
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,086	--	3	5,945	1,849	-584	7,968	1,498	0	5,472
Hydrogen	--	--	--	--	--	3,342	--	3,342	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	1,086	--	--	5,945	-1,490	-584	4,626	1,498	0	5,472
Fuel Ethanol	--	496	--	--	5,694	-599	-218	4,368	1,441	0	3,777
Renewable Fuels Except Fuel Ethanol	--	590	--	--	251	-891	-366	258	58	0	1,695
Other Hydrocarbons	--	--	--	3	--	-3	--	--	--	0	--
Unfinished Oils	--	--	--	13,776	177	--	-4,778	10,959	6,116	1,656	45,226
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	862	-61,083	5,261	-3,738	-52,956	1,734	0	79,949
Reformulated	--	--	--	--	-13,320	3,706	-2,094	-7,529	9	0	10,125
Conventional	--	--	--	862	-47,763	1,555	-1,644	-45,427	1,725	0	69,824
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-3	11	--	-8	30
Finished Petroleum Products	--	--	204,418	5,975	-36,659	-3,773	-2,943	--	76,597	96,307	122,025
Finished Motor Gasoline	--	--	65,359	89	-2,886	-4,662	549	--	22,209	35,142	9,404
Reformulated	--	--	12,706	--	--	-3,597	--	--	--	9,109	--
Conventional	--	--	52,653	89	-2,886	-1,065	549	--	22,209	26,033	9,404
Finished Aviation Gasoline	--	--	190	31	-52	--	6	--	--	163	444
Kerosene-Type Jet Fuel	--	--	12,358	--	-8,546	--	-1,932	--	657	5,087	13,456
Kerosene	--	--	434	--	-438	--	-26	--	56	-34	177
Distillate Fuel Oil	--	--	86,196	--	-24,363	889	1,395	--	38,336	22,991	61,028
15 ppm sulfur and under	--	--	80,711	--	-23,478	889	2,025	--	34,238	21,859	54,460
Greater than 15 ppm to 500 ppm sulfur	--	--	3,195	--	-308	--	-651	--	2,914	624	1,774
Greater than 500 ppm sulfur	--	--	2,290	--	-577	--	21	--	1,184	508	4,794
Residual Fuel Oil	--	--	1,840	4,227	365	--	-502	--	2,287	4,647	18,210
Less than 0.31 percent sulfur	--	--	373	132	--	--	-81	--	NA	NA	1,940
0.31 to 1.00 percent sulfur	--	--	452	684	330	--	-666	--	NA	NA	2,590
Greater than 1.00 percent sulfur	--	--	1,015	3,411	35	--	245	--	NA	NA	13,680
Petrochemical Feedstocks	--	--	7,020	513	45	--	-37	--	--	7,615	2,207
Naphtha for Petro. Feed. Use	--	--	4,675	454	45	--	-45	--	--	5,219	1,528
Other Oils for Petro. Feed. Use	--	--	2,345	59	--	--	8	--	--	2,396	679
Special Naphthas	--	--	871	332	-18	--	-42	--	--	1,227	791
Lubricants	--	--	3,663	581	-717	--	-818	--	2,646	1,699	7,777
Waxes	--	--	101	13	--	--	4	--	49	61	216
Petroleum Coke	--	--	12,259	155	608	--	-1,348	--	9,434	4,936	2,974
Marketable	--	--	9,072	155	608	--	-1,348	--	9,434	1,749	2,974
Catalyst	--	--	3,187	--	--	--	--	--	--	3,187	--
Asphalt and Road Oil	--	--	2,705	34	-657	--	-217	--	904	1,396	4,972
Still Gas	--	--	10,072	--	--	--	--	--	--	10,072	--
Miscellaneous Products	--	--	1,350	--	--	--	25	--	19	1,306	369
Total	312,525	1,075	218,051	57,204	-39,531	26,142	-20,895	202,657	225,946	167,757	1,361,711

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	Ending Stocks
Crude Oil⁶	1,923,298	--	--	408,247	259,952	115,886	64,020	1,909,562	733,801	0	920,092
Hydrocarbon Gas Liquids	724,701	-80	100,826	166	174,440	--	42,055	68,197	349,238	540,563	188,917
Natural Gas Liquids	724,701	-80	54,140	35	171,646	--	39,879	68,197	349,238	493,128	184,482
Ethane	310,977	--	1,623	--	97,075	--	1,246	--	33,769	374,660	51,935
Propane	221,691	--	35,061	35	56,232	--	5,032	--	249,627	58,360	54,704
Normal Butane	46,411	--	20,368	--	23,739	--	13,633	21,198	64,598	-8,911	39,769
Isobutane	71,481	--	-2,912	--	6,977	--	1,466	27,834	757	45,489	9,945
Natural Gasoline	74,141	-80	--	--	-12,377	--	18,502	19,165	487	23,530	28,129
Refinery Olefins	--	--	46,686	131	2,794	--	2,176	--	--	47,435	4,435
Ethylene	--	--	68	--	--	--	0	--	--	68	--
Propylene	--	--	48,645	--	2,794	--	-58	--	--	51,497	1,166
Normal Butylene	--	--	-1,805	131	--	--	2,239	--	--	-3,913	3,269
Isobutylene	--	--	-222	--	--	--	-5	--	--	-217	0
Other Liquids	--	8,353	--	122,351	-423,122	51,664	-6,542	-343,715	77,867	31,636	130,677
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	8,353	--	324	40,532	29,661	-80	63,494	15,455	0	5,472
Hydrogen	--	--	--	--	--	28,973	--	28,973	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	8,353	--	270	40,532	742	-80	34,521	15,455	0	5,472
Fuel Ethanol	--	3,709	--	--	40,128	3,430	-186	32,333	15,120	0	3,777
Renewable Fuels Except Fuel Ethanol	--	4,644	--	270	404	-2,688	106	2,188	335	0	1,695
Other Hydrocarbons	--	--	--	54	--	-54	--	--	--	0	--
Unfinished Oils	--	--	--	111,381	2,235	--	-4,010	35,983	49,861	31,782	45,226
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	10,646	-465,889	22,004	-2,440	-443,350	12,551	0	79,949
Reformulated	--	--	--	--	-92,989	36,642	-862	-56,016	531	0	10,125
Conventional	--	--	--	10,646	-372,900	-14,638	-1,578	-387,334	12,020	0	69,824
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-12	158	--	-146	30
Finished Petroleum Products	--	--	1,659,254	41,459	-355,892	-20,920	11,663	--	597,199	715,039	122,025
Finished Motor Gasoline	--	--	486,433	189	-24,685	-25,434	5	--	147,934	288,564	9,404
Reformulated	--	--	94,736	--	--	-34,065	--	--	--	60,671	--
Conventional	--	--	391,697	189	-24,685	8,632	5	--	147,934	227,894	9,404
Finished Aviation Gasoline	--	--	1,857	96	-643	--	-116	--	--	1,426	444
Kerosene-Type Jet Fuel	--	--	134,750	1,638	-83,117	--	-921	--	20,895	33,297	13,456
Kerosene	--	--	1,036	--	-1,273	--	-106	--	174	-305	177
Distillate Fuel Oil	--	--	701,646	38	-248,380	4,513	16,671	--	271,801	169,345	61,028
15 ppm sulfur and under	--	--	647,706	38	-239,103	4,513	17,924	--	228,106	167,125	54,460
Greater than 15 ppm to 500 ppm sulfur	--	--	25,051	--	-1,622	--	-303	--	23,303	429	1,774
Greater than 500 ppm sulfur	--	--	28,889	--	-7,655	--	-950	--	20,393	1,791	4,794
Residual Fuel Oil	--	--	16,523	24,712	3,725	--	601	--	28,756	15,603	18,210
Less than 0.31 percent sulfur	--	--	7,123	393	-738	--	307	--	NA	NA	1,940
0.31 to 1.00 percent sulfur	--	--	4,456	2,314	2,391	--	-186	--	NA	NA	2,590
Greater than 1.00 percent sulfur	--	--	4,944	22,005	2,072	--	480	--	NA	NA	13,680
Petrochemical Feedstocks	--	--	57,478	2,789	622	--	-374	--	--	61,263	2,207
Naphtha for Petro. Feed. Use	--	--	36,782	2,528	591	--	-194	--	--	40,095	1,528
Other Oils for Petro. Feed. Use	--	--	20,696	261	31	--	-180	--	--	21,168	679
Special Naphthas	--	--	7,187	3,378	-130	--	-179	--	--	10,614	791
Lubricants	--	--	27,998	6,145	-5,351	--	-1,919	--	17,066	13,645	7,777
Waxes	--	--	656	258	--	--	-60	--	294	680	216
Petroleum Coke	--	--	109,120	2,118	5,385	--	-2,081	--	105,720	12,984	2,974
Marketable	--	--	85,434	2,118	5,385	--	-2,081	--	105,720	-10,702	2,974
Catalyst	--	--	23,686	--	--	--	--	--	--	23,686	--
Asphalt and Road Oil	--	--	19,550	98	-2,031	--	182	--	4,364	13,071	4,972
Still Gas	--	--	82,813	--	--	--	--	--	--	82,813	--
Miscellaneous Products	--	--	12,207	--	-14	--	-40	--	194	12,039	369
Total	2,647,999	8,273	1,760,080	572,223	-344,623	146,630	111,196	1,634,044	1,758,105	1,287,238	1,361,711

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey," Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,043	--	--	1,179	724	736	-784	7,377	3,089	0
Hydrocarbon Gas Liquids	3,039	0	440	1	956	--	499	258	1,427	2,252
Natural Gas Liquids	3,039	0	252	--	944	--	474	258	1,427	2,076
Ethane	1,328	--	6	--	514	--	189	--	166	1,494
Propane	896	--	146	--	286	--	148	--	941	239
Normal Butane	180	--	117	--	110	--	31	56	317	2
Isobutane	302	--	-17	--	31	--	27	124	0	165
Natural Gasoline	331	0	--	--	3	--	79	78	2	175
Refinery Olefins	--	--	188	1	12	--	25	--	--	176
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	195	--	12	--	6	--	--	200
Normal Butylene	--	--	-6	1	--	--	19	--	--	-24
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	35	--	472	-1,773	229	-294	-1,097	302	53
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	35	--	0	192	60	-19	257	48	0
Hydrogen	--	--	--	--	--	108	--	108	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	35	--	--	192	-48	-19	149	48	0
Fuel Ethanol	--	16	--	--	184	-19	-7	141	46	0
Renewable Fuels Except Fuel Ethanol	--	19	--	--	8	-29	-12	8	2	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	444	6	--	-154	354	197	53
Motor Gasoline Blend Comp. (MGBC)	--	--	--	28	-1,970	170	-121	-1,708	56	0
Reformulated	--	--	--	--	-430	120	-68	-243	0	0
Conventional	--	--	--	28	-1,541	50	-53	-1,465	56	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
Finished Petroleum Products	--	--	6,594	193	-1,183	-122	-95	--	2,471	3,107
Finished Motor Gasoline	--	--	2,108	3	-93	-150	18	--	716	1,134
Reformulated	--	--	410	--	--	-116	--	--	--	294
Conventional	--	--	1,698	3	-93	-34	18	--	716	840
Finished Aviation Gasoline	--	--	6	1	-2	--	0	--	--	5
Kerosene-Type Jet Fuel	--	--	399	--	-276	--	-62	--	21	164
Kerosene	--	--	14	--	-14	--	-1	--	2	-1
Distillate Fuel Oil	--	--	2,781	--	-786	29	45	--	1,237	742
15 ppm sulfur and under	--	--	2,604	--	-757	29	65	--	1,104	705
Greater than 15 ppm to 500 ppm sulfur	--	--	103	--	-10	--	-21	--	94	20
Greater than 500 ppm sulfur	--	--	74	--	-19	--	1	--	38	16
Residual Fuel Oil	--	--	59	136	12	--	-16	--	74	150
Less than 0.31 percent sulfur	--	--	12	4	--	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	22	11	--	-21	--	NA	NA
Greater than 1.00 percent sulfur	--	--	33	110	1	--	8	--	NA	NA
Petrochemical Feedstocks	--	--	226	17	1	--	-1	--	--	246
Naphtha for Petro. Feed. Use	--	--	151	15	1	--	-1	--	--	168
Other Oils for Petro. Feed. Use	--	--	76	2	--	--	0	--	--	77
Special Naphthas	--	--	28	11	-1	--	-1	--	--	40
Lubricants	--	--	118	19	-23	--	-26	--	85	55
Waxes	--	--	3	0	--	--	0	--	2	2
Petroleum Coke	--	--	395	5	20	--	-43	--	304	159
Marketable	--	--	293	5	20	--	-43	--	304	56
Catalyst	--	--	103	--	--	--	--	--	--	103
Asphalt and Road Oil	--	--	87	1	-21	--	-7	--	29	45
Still Gas	--	--	325	--	--	--	--	--	--	325
Miscellaneous Products	--	--	44	--	--	--	1	--	1	42
Total	10,081	35	7,034	1,845	-1,275	843	-674	6,537	7,289	5,412

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil⁶	7,882	--	--	1,673	1,065	475	262	7,826	3,007	0
Hydrocarbon Gas Liquids	2,970	0	413	1	715	--	172	279	1,431	2,215
Natural Gas Liquids	2,970	0	222	0	703	--	163	279	1,431	2,021
Ethane	1,274	--	7	--	398	--	5	--	138	1,535
Propane	909	--	144	0	230	--	21	--	1,023	239
Normal Butane	190	--	83	--	97	--	56	87	265	-37
Isobutane	293	--	-12	--	29	--	6	114	3	186
Natural Gasoline	304	0	--	--	-51	--	76	79	2	96
Refinery Olefins	--	--	191	1	11	--	9	--	--	194
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	199	--	11	--	0	--	--	211
Normal Butylene	--	--	-7	1	--	--	9	--	--	-16
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
Other Liquids	--	34	--	501	-1,734	212	-27	-1,409	319	130
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	34	--	1	166	122	0	260	63	0
Hydrogen	--	--	--	--	--	119	--	119	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	34	--	1	166	3	0	141	63	0
Fuel Ethanol	--	15	--	--	164	14	-1	133	62	0
Renewable Fuels Except Fuel Ethanol	--	19	--	1	2	-11	0	9	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	456	9	--	-16	147	204	130
Motor Gasoline Blend Comp. (MGBG)	--	--	--	44	-1,909	90	-10	-1,817	51	0
Reformulated	--	--	--	--	-381	150	-4	-230	2	0
Conventional	--	--	--	44	-1,528	-60	-6	-1,587	49	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	1	--	-1
Finished Petroleum Products	--	--	6,800	170	-1,459	-86	48	--	2,448	2,930
Finished Motor Gasoline	--	--	1,994	1	-101	-104	0	--	606	1,183
Reformulated	--	--	388	--	--	-140	--	--	--	249
Conventional	--	--	1,605	1	-101	35	0	--	606	934
Finished Aviation Gasoline	--	--	8	0	-3	--	0	--	--	6
Kerosene-Type Jet Fuel	--	--	552	7	-341	--	-4	--	86	136
Kerosene	--	--	4	--	-5	--	0	--	1	-1
Distillate Fuel Oil	--	--	2,876	0	-1,018	18	68	--	1,114	694
15 ppm sulfur and under	--	--	2,655	0	-980	18	73	--	935	685
Greater than 15 ppm to 500 ppm sulfur	--	--	103	--	-7	--	-1	--	96	2
Greater than 500 ppm sulfur	--	--	118	--	-31	--	-4	--	84	7
Residual Fuel Oil	--	--	68	101	15	--	2	--	118	64
Less than 0.31 percent sulfur	--	--	29	2	-3	--	1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	18	9	10	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	20	90	8	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	236	11	3	--	-2	--	--	251
Naphtha for Petro. Feed. Use	--	--	151	10	2	--	-1	--	--	164
Other Oils for Petro. Feed. Use	--	--	85	1	0	--	-1	--	--	87
Special Naphthas	--	--	29	14	-1	--	-1	--	--	44
Lubricants	--	--	115	25	-22	--	-8	--	70	56
Waxes	--	--	3	1	--	--	0	--	1	3
Petroleum Coke	--	--	447	9	22	--	-9	--	433	53
Marketable	--	--	350	9	22	--	-9	--	433	-44
Catalyst	--	--	97	--	--	--	--	--	--	97
Asphalt and Road Oil	--	--	80	0	-8	--	1	--	18	54
Still Gas	--	--	339	--	--	--	--	--	--	339
Miscellaneous Products	--	--	50	--	0	--	0	--	1	49
Total	10,852	34	7,213	2,345	-1,412	601	456	6,697	7,205	5,276

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

⁶ Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	25,621	--	--	11,024	-18,920	-190	-915	18,450	--	0	24,409
Hydrocarbon Gas Liquids	17,042	-6	465	342	-14,473	--	2,123	451	107	689	8,191
Natural Gas Liquids	17,042	-6	371	342	-14,473	--	2,136	451	107	582	8,137
Ethane	5,791	--	--	--	-5,301	--	460	--	--	30	1,263
Propane	5,587	--	270	256	-4,640	--	952	--	--	521	3,119
Normal Butane	2,212	--	127	67	-1,699	--	496	136	53	22	2,583
Isobutane	1,032	--	-26	19	-1,059	--	82	181	--	-297	414
Natural Gasoline	2,420	-6	--	--	-1,774	--	146	134	54	306	758
Refinery Olefins	--	--	94	--	--	--	-13	--	--	107	54
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	--	--	--	0	--	--	4	0
Normal Butylene	--	--	90	--	--	--	-13	--	--	103	54
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	257	--	198	1,251	-1,020	-171	770	49	38	9,009
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	257	--	59	451	539	85	1,172	49	0	503
Hydrogen	--	--	--	--	--	195	--	195	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	257	--	59	451	344	85	977	49	0	503
Fuel Ethanol	--	257	--	--	431	306	23	922	49	0	383
Renewable Fuels Except Fuel Ethanol	--	--	--	59	20	38	62	55	--	0	120
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-367	329	0	38	2,813
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	139	800	-1,559	111	-731	--	0	5,693
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	139	800	-1,559	111	-731	--	0	5,693
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	20,047	164	-1,013	1,279	-452	--	19	20,911	8,420
Finished Motor Gasoline	--	--	9,668	--	-684	1,253	-77	--	1	10,313	1,674
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,668	--	-684	1,253	-77	--	1	10,313	1,674
Finished Aviation Gasoline	--	--	3	--	--	--	-1	--	--	4	4
Kerosene-Type Jet Fuel	--	--	956	49	354	--	-14	--	--	1,373	702
Kerosene	--	--	--	--	--	--	0	--	--	0	1
Distillate Fuel Oil	--	--	6,221	95	77	26	66	--	0	6,353	4,037
15 ppm sulfur and under	--	--	6,108	95	77	26	38	--	0	6,268	3,817
Greater than 15 ppm to 500 ppm sulfur	--	--	91	--	--	--	6	--	--	85	125
Greater than 500 ppm sulfur	--	--	22	--	--	--	22	--	--	0	95
Residual Fuel Oil	--	--	394	--	--	--	8	--	2	384	235
Less than 0.31 percent sulfur	--	--	195	--	--	--	1	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	43	--	--	--	8	--	NA	NA	12
Greater than 1.00 percent sulfur	--	--	156	--	--	--	-1	--	NA	NA	193
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	10	-10	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	749	--	-198	--	-50	--	--	601	157
Marketable	--	--	520	--	-198	--	-50	--	--	372	157
Catalyst	--	--	229	--	--	--	--	--	--	229	--
Asphalt and Road Oil	--	--	1,209	19	-562	--	-385	--	5	1,045	1,593
Still Gas	--	--	720	--	--	--	--	--	--	720	--
Miscellaneous Products	--	--	127	1	--	--	1	--	--	127	17
Total	42,663	251	20,512	11,728	-33,155	69	585	19,671	174	21,638	50,029

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	210,818	--	--	91,200	-151,767	-11,931	729	137,377	214	0	24,409
Hydrocarbon Gas Liquids	120,029	-61	2,552	2,678	-79,275	--	4,339	3,768	792	37,024	8,191
Natural Gas Liquids	120,029	-61	2,034	2,678	-79,275	--	4,360	3,768	792	36,485	8,137
Ethane	33,948	--	--	--	-26,642	--	707	--	--	6,599	1,263
Propane	43,350	--	1,809	2,281	-23,805	--	1,426	--	2	22,207	3,119
Normal Butane	16,883	--	427	320	-10,677	--	1,698	1,294	404	3,557	2,583
Isobutane	8,201	--	-202	77	-6,191	--	141	1,390	--	354	414
Natural Gasoline	17,647	-61	--	--	-11,960	--	388	1,084	386	3,768	758
Refinery Olefins	--	--	518	--	--	--	-21	--	--	539	54
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	49	--	--	--	0	--	--	49	0
Normal Butylene	--	--	469	--	--	--	-21	--	--	490	54
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	2,385	--	893	5,218	-6,252	-992	2,133	255	848	9,009
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	2,385	--	300	2,961	3,092	41	8,445	252	0	503
Hydrogen	--	--	--	--	--	1,651	--	1,651	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,385	--	300	2,961	1,441	41	6,794	252	0	503
Fuel Ethanol	--	2,385	--	--	2,675	1,486	-17	6,389	174	0	383
Renewable Fuels Except Fuel Ethanol	--	0	--	300	286	-45	58	405	78	0	120
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-368	-482	2	848	2,813
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	593	2,257	-9,345	-665	-5,830	0	0	5,693
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	593	2,257	-9,345	-665	-5,830	0	0	5,693
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	146,574	1,571	-9,725	7,960	-860	--	156	147,084	8,420
Finished Motor Gasoline	--	--	68,310	26	-4,913	7,859	-247	--	6	71,522	1,674
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	68,310	26	-4,913	7,859	-247	--	6	71,522	1,674
Finished Aviation Gasoline	--	--	36	--	--	--	-4	--	--	40	4
Kerosene-Type Jet Fuel	--	--	5,446	164	3,452	--	-7	--	--	9,069	702
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	48,311	1,137	-1,632	102	-611	--	0	48,529	4,037
15 ppm sulfur and under	--	--	47,695	1,137	-1,682	102	-606	--	0	47,858	3,817
Greater than 15 ppm to 500 ppm sulfur	--	--	609	--	50	--	-13	--	--	672	125
Greater than 500 ppm sulfur	--	--	7	--	--	--	8	--	--	-1	95
Residual Fuel Oil	--	--	2,724	--	--	--	-22	--	51	2,695	235
Less than 0.31 percent sulfur	--	--	1,469	--	--	--	-3	--	NA	NA	30
0.31 to 1.00 percent sulfur	--	--	170	--	--	--	-5	--	NA	NA	12
Greater than 1.00 percent sulfur	--	--	1,085	--	--	--	-14	--	NA	NA	193
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	72	-72	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	5,493	--	-1,716	--	-32	--	0	3,809	157
Marketable	--	--	3,837	--	-1,716	--	-32	--	0	2,153	157
Catalyst	--	--	1,656	--	--	--	--	--	--	1,656	--
Asphalt and Road Oil	--	--	10,240	236	-4,917	--	63	--	24	5,472	1,593
Still Gas	--	--	5,143	--	--	--	--	--	--	5,143	--
Miscellaneous Products	--	--	869	8	--	--	0	--	1	876	17
Total	330,847	2,324	149,126	96,342	-235,549	-10,223	3,216	143,278	1,417	184,955	50,029

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biogas, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	826	--	--	356	-610	-6	-30	595	-	0
Hydrocarbon Gas Liquids	550	0	15	11	-467	--	68	15	3	22
Natural Gas Liquids	550	0	12	11	-467	--	69	15	3	19
Ethane	187	--	--	--	-171	--	15	--	--	1
Propane	180	--	9	8	-150	--	31	--	--	17
Normal Butane	71	--	4	2	-55	--	16	4	2	1
Isobutane	33	--	-1	1	-34	--	3	6	--	-10
Natural Gasoline	78	0	--	--	-57	--	5	4	2	10
Refinery Olefins	--	--	3	--	--	--	0	--	--	3
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	3	--	--	--	0	--	--	3
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	8	--	6	40	-33	-6	25	2	1
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	8	--	2	15	17	3	38	2	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	8	--	2	15	11	3	32	2	0
Fuel Ethanol	--	8	--	--	14	10	1	30	2	0
Renewable Fuels Except Fuel Ethanol	--	--	--	2	1	1	2	2	--	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-12	11	0	1
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	4	26	-50	4	-24	--	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	4	26	-50	4	-24	--	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	647	5	-33	41	-15	--	1	675
Finished Motor Gasoline	--	--	312	--	-22	40	-2	--	0	333
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	312	--	-22	40	-2	--	0	333
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	31	2	11	--	0	--	--	44
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	201	3	2	1	2	--	0	205
15 ppm sulfur and under	--	--	197	3	2	1	1	--	0	202
Greater than 15 ppm to 500 ppm sulfur	--	--	3	--	--	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	1	--	--	--	1	--	--	0
Residual Fuel Oil	--	--	13	--	--	--	0	--	0	12
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	5	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	24	--	-6	--	-2	--	--	19
Marketable	--	--	17	--	-6	--	-2	--	--	12
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	39	1	-18	--	-12	--	0	34
Still Gas	--	--	23	--	--	--	--	--	--	23
Miscellaneous Products	--	--	4	0	--	--	0	--	--	4
Total	1,376	8	662	378	-1,070	2	19	635	6	698

-- = Not Applicable.

- = No Data Reported.

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¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

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Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	864	--	--	374	-622	-49	3	563	1	0
Hydrocarbon Gas Liquids	492	0	10	11	-325	--	18	15	3	152
Natural Gas Liquids	492	0	8	11	-325	--	18	15	3	150
Ethane	139	--	--	--	-109	--	3	--	--	27
Propane	178	--	7	9	-98	--	6	--	0	91
Normal Butane	69	--	2	1	-44	--	7	5	2	15
Isobutane	34	--	-1	0	-25	--	1	6	--	1
Natural Gasoline	72	0	--	--	-49	--	2	4	2	15
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Normal Butylene	--	--	2	--	--	--	0	--	--	2
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	10	--	4	21	-26	-4	9	1	3
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	10	--	1	12	13	0	35	1	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	10	--	1	12	6	0	28	1	0
Fuel Ethanol	--	10	--	--	11	6	0	26	1	0
Renewable Fuels Except Fuel Ethanol	--	0	--	1	1	0	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-2	-2	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	2	9	-38	-3	-24	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	2	9	-38	-3	-24	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	601	6	-40	33	-4	--	1	603
Finished Motor Gasoline	--	--	280	0	-20	32	-1	--	0	293
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	280	0	-20	32	-1	--	0	293
Finished Aviation Gasoline	--	--	0	--	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	22	1	14	--	0	--	--	37
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	198	5	-7	0	-3	--	0	199
15 ppm sulfur and under	--	--	195	5	-7	0	-2	--	0	196
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	0	--	0	--	--	3
Greater than 500 ppm sulfur	--	--	0	--	--	--	0	--	--	0
Residual Fuel Oil	--	--	11	--	--	--	0	--	0	11
Less than 0.31 percent sulfur	--	--	6	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	23	--	-7	--	0	--	0	16
Marketable	--	--	16	--	-7	--	0	--	0	9
Catalyst	--	--	7	--	--	--	--	--	--	7
Asphalt and Road Oil	--	--	42	1	-20	--	0	--	0	22
Still Gas	--	--	21	--	--	--	--	--	--	21
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
Total	1,356	10	611	395	-965	-42	13	587	6	758

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	25,798	--	--	29,613	5,586	585	892	59,391	1,300	0	54,894
Hydrocarbon Gas Liquids	1,641	-4	1,717	1,212	771	--	1,040	1,766	1,562	969	6,211
Natural Gas Liquids	1,641	-4	1,604	1,212	771	--	1,070	1,766	1,562	826	6,154
Ethane	1	--	--	--	--	--	--	--	0	1	--
Propane	260	--	964	704	301	--	668	--	677	884	2,908
Normal Butane	438	--	475	498	234	--	430	397	879	-61	2,725
Isobutane	174	--	165	10	236	--	-20	675	0	-70	466
Natural Gasoline	768	-4	--	--	--	--	-8	694	5	73	55
Refinery Olefins	--	--	113	--	--	--	-30	--	--	143	57
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	125	--	--	--	2	--	--	123	11
Normal Butylene	--	--	-12	--	--	--	-32	--	--	20	46
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	568	--	3,989	8,282	365	-1,197	13,531	413	456	48,195
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	568	--	1,288	3,847	1,462	359	6,550	256	0	4,411
Hydrogen	--	--	--	--	--	1,398	--	1,398	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	568	--	1,288	3,847	64	359	5,152	256	0	4,411
Fuel Ethanol	--	259	--	846	3,564	452	565	4,410	146	0	3,155
Renewable Fuels Except Fuel Ethanol	--	309	--	442	283	-387	-206	742	110	0	1,256
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	1,701	--	--	-687	1,899	33	456	17,519
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,000	4,435	-1,097	-869	5,082	125	0	26,265
Reformulated	--	--	--	318	2,111	-206	-792	3,012	3	0	12,659
Conventional	--	--	--	682	2,324	-891	-77	2,070	122	0	13,606
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	77,849	5,169	2,641	779	236	--	6,466	79,736	36,052
Finished Motor Gasoline	--	--	43,502	788	463	645	443	--	864	44,091	3,138
Reformulated	--	--	29,804	--	--	454	-2	--	--	30,260	16
Conventional	--	--	13,698	788	463	192	445	--	864	13,831	3,122
Finished Aviation Gasoline	--	--	-1	4	--	--	-53	--	--	56	310
Kerosene-Type Jet Fuel	--	--	7,228	3,358	264	--	1,063	--	267	9,520	9,481
Kerosene	--	--	0	8	--	--	0	--	70	-62	7
Distillate Fuel Oil	--	--	16,768	681	1,174	133	-262	--	2,326	16,693	13,149
15 ppm sulfur and under	--	--	16,299	680	1,174	133	-174	--	1,523	16,937	12,077
Greater than 15 ppm to 500 ppm sulfur	--	--	232	--	--	--	26	--	139	67	398
Greater than 500 ppm sulfur	--	--	237	1	--	--	-114	--	663	-311	674
Residual Fuel Oil	--	--	1,655	261	--	--	-734	--	388	2,262	5,476
Less than 0.31 percent sulfur	--	--	94	--	--	--	-80	--	NA	NA	905
0.31 to 1.00 percent sulfur	--	--	371	77	--	--	-138	--	NA	NA	450
Greater than 1.00 percent sulfur	--	--	1,190	184	--	--	-516	--	NA	NA	4,121
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0	1
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	11	--	--	--	5	--	--	6	59
Lubricants	--	--	465	3	--	--	30	--	339	99	730
Waxes	--	--	--	8	--	--	--	--	5	3	--
Petroleum Coke	--	--	3,819	--	68	--	63	--	2,157	1,667	1,383
Marketable	--	--	2,962	--	68	--	63	--	2,157	810	1,383
Catalyst	--	--	857	--	--	--	--	--	--	857	--
Asphalt and Road Oil	--	--	868	58	672	--	-335	--	49	1,884	2,209
Still Gas	--	--	3,193	--	--	--	--	--	--	3,193	--
Miscellaneous Products	--	--	341	--	--	--	16	--	0	325	109
Total	27,439	564	79,566	39,983	17,280	1,729	971	74,688	9,741	81,162	145,352

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵	
Crude Oil	210,070	--	--	229,682	38,370	11,994	2,977	477,009	10,130	0	54,894
Hydrocarbon Gas Liquids	14,018	-44	9,713	9,968	9,275	--	2,097	17,950	12,678	10,205	6,211
Natural Gas Liquids	14,018	-44	8,600	9,907	9,275	--	2,060	17,950	12,678	9,068	6,154
Ethane	6	--	--	--	--	--	--	--	0	6	--
Propane	2,122	--	7,337	6,649	3,066	--	1,235	--	8,077	9,862	2,908
Normal Butane	2,925	--	483	3,143	4,351	--	733	5,454	4,499	216	2,725
Isobutane	2,328	--	780	115	1,858	--	78	6,472	4	-1,473	466
Natural Gasoline	6,637	-44	--	--	--	--	14	6,024	98	457	55
Refinery Olefins	--	--	1,113	61	--	--	37	--	--	1,137	57
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,191	--	--	--	-3	--	--	1,194	11
Normal Butylene	--	--	-78	61	--	--	40	--	--	-57	46
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
Other Liquids	--	4,541	--	21,417	63,853	-8,093	-6,095	80,713	5,571	1,527	48,195
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	4,541	--	6,114	31,436	7,151	-2	47,346	1,897	0	4,411
Hydrogen	--	--	--	--	--	10,260	--	10,260	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	4,541	--	6,114	31,436	-3,109	-2	37,086	1,897	0	4,411
Fuel Ethanol	--	2,402	--	1,789	27,485	2,227	294	32,227	1,381	0	3,155
Renewable Fuels Except Fuel Ethanol	--	2,139	--	4,325	3,951	-5,336	-296	4,859	516	0	1,256
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	9,909	-175	--	-1,903	8,104	2,006	1,527	17,519
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	5,394	32,592	-15,244	-4,190	25,263	1,669	0	26,265
Reformulated	--	--	--	1,120	15,443	-1,764	-2,462	17,245	16	0	12,659
Conventional	--	--	--	4,274	17,149	-13,480	-1,728	8,018	1,653	0	13,606
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	601,049	36,472	16,238	14,865	-706	--	70,762	598,568	36,052
Finished Motor Gasoline	--	--	321,454	3,867	3,431	13,018	437	--	13,203	328,129	3,138
Reformulated	--	--	221,654	--	--	3,316	3	--	--	224,967	16
Conventional	--	--	99,800	3,867	3,431	9,701	434	--	13,203	103,162	3,122
Finished Aviation Gasoline	--	--	397	10	--	--	126	--	--	281	310
Kerosene-Type Jet Fuel	--	--	65,368	24,193	838	--	-274	--	3,651	87,022	9,481
Kerosene	--	--	78	40	--	--	-37	--	186	-31	7
Distillate Fuel Oil	--	--	129,902	4,212	7,952	1,848	-1,577	--	22,353	123,138	13,149
15 ppm sulfur and under	--	--	123,125	4,205	8,052	1,848	-1,471	--	17,873	120,828	12,077
Greater than 15 ppm to 500 ppm sulfur	--	--	2,502	--	-100	--	122	--	1,341	939	398
Greater than 500 ppm sulfur	--	--	4,275	7	--	--	-228	--	3,140	1,370	674
Residual Fuel Oil	--	--	16,510	2,833	--	--	1,356	--	5,452	12,535	5,476
Less than 0.31 percent sulfur	--	--	231	--	--	--	644	--	NA	NA	905
0.31 to 1.00 percent sulfur	--	--	3,538	656	--	--	153	--	NA	NA	450
Greater than 1.00 percent sulfur	--	--	12,741	2,177	--	--	567	--	NA	NA	4,121
Petrochemical Feedstocks	--	--	--	199	--	--	-7	--	--	206	1
Naphtha for Petro. Feed. Use	--	--	--	199	--	--	-7	--	--	206	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	281	--	--	--	13	--	--	268	59
Lubricants	--	--	3,462	164	-71	--	-128	--	2,559	1,124	730
Waxes	--	--	--	210	--	--	--	--	38	172	--
Petroleum Coke	--	--	29,830	119	407	--	-356	--	22,978	7,735	1,383
Marketable	--	--	22,674	119	407	--	-356	--	22,978	579	1,383
Catalyst	--	--	7,156	--	--	--	--	--	--	7,156	--
Asphalt and Road Oil	--	--	5,899	625	3,681	--	-259	--	340	10,124	2,209
Still Gas	--	--	24,943	--	--	--	--	--	--	24,943	--
Miscellaneous Products	--	--	2,925	--	--	--	0	--	2	2,923	109
Total	224,088	4,497	610,762	297,539	127,736	18,766	-1,727	575,672	99,142	610,301	145,352

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	832	--	--	955	180	19	29	1,916	42	0
Hydrocarbon Gas Liquids	53	0	55	39	25	--	34	57	50	31
Natural Gas Liquids	53	0	52	39	25	--	35	57	50	27
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	8	--	31	23	10	--	22	--	22	29
Normal Butane	14	--	15	16	8	--	14	13	28	-2
Isobutane	6	--	5	0	8	--	-1	22	0	-2
Natural Gasoline	25	0	--	--	--	--	0	22	0	2
Refinery Olefins	--	--	4	--	--	--	-1	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	4	--	--	--	0	--	--	4
Normal Butylene	--	--	0	--	--	--	-1	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	18	--	129	267	12	-39	436	13	15
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	18	--	42	124	47	12	211	8	0
Hydrogen	--	--	--	--	--	45	--	45	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	18	--	42	124	2	12	166	8	0
Fuel Ethanol	--	8	--	27	115	15	18	142	5	0
Renewable Fuels Except Fuel Ethanol	--	10	--	14	9	-12	-7	24	4	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	55	--	--	-22	61	1	15
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	32	143	-35	-28	164	4	0
Reformulated	--	--	--	10	68	-7	-26	97	0	0
Conventional	--	--	--	22	75	-29	-2	67	4	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,511	167	85	25	8	--	209	2,572
Finished Motor Gasoline	--	--	1,403	25	15	21	14	--	28	1,422
Reformulated	--	--	961	--	--	15	0	--	--	976
Conventional	--	--	442	25	15	6	14	--	28	446
Finished Aviation Gasoline	--	--	0	0	--	--	-2	--	--	2
Kerosene-Type Jet Fuel	--	--	233	108	9	--	34	--	9	307
Kerosene	--	--	0	0	--	--	0	--	2	-2
Distillate Fuel Oil	--	--	541	22	38	4	-8	--	75	538
15 ppm sulfur and under	--	--	526	22	38	4	-6	--	49	546
Greater than 15 ppm to 500 ppm sulfur	--	--	7	--	--	--	1	--	4	2
Greater than 500 ppm sulfur	--	--	8	0	--	--	-4	--	21	-10
Residual Fuel Oil	--	--	53	8	--	--	-24	--	13	73
Less than 0.31 percent sulfur	--	--	3	--	--	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	2	--	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	38	6	--	--	-17	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	0	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	0	--	--	--	0	--	--	0
Lubricants	--	--	15	0	--	--	1	--	11	3
Waxes	--	--	--	0	--	--	--	--	0	0
Petroleum Coke	--	--	123	--	2	--	2	--	70	54
Marketable	--	--	96	--	2	--	2	--	70	26
Catalyst	--	--	28	--	--	--	--	--	--	28
Asphalt and Road Oil	--	--	28	2	22	--	-11	--	2	61
Still Gas	--	--	103	--	--	--	--	--	--	103
Miscellaneous Products	--	--	11	--	--	--	1	--	0	10
Total	885	18	2,567	1,290	557	56	31	2,409	314	2,618

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-August 2020
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) ¹	Net Receipts ²	Adjustments ³	Stock Change ⁴	Refinery and Blender Net Inputs	Exports	Products Supplied ⁵
Crude Oil	861	--	--	941	157	49	12	1,955	42	0
Hydrocarbon Gas Liquids	57	0	40	41	38	--	9	74	52	42
Natural Gas Liquids	57	0	35	41	38	--	8	74	52	37
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	9	--	30	27	13	--	5	--	33	40
Normal Butane	12	--	2	13	18	--	3	22	18	1
Isobutane	10	--	3	0	8	--	0	27	0	-6
Natural Gasoline	27	0	--	--	--	--	0	25	0	2
Refinery Olefins	--	--	5	0	--	--	0	--	--	5
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	5	--	--	--	0	--	--	5
Normal Butylene	--	--	0	0	--	--	0	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
Other Liquids	--	19	--	88	262	-33	-25	331	23	6
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	19	--	25	129	29	0	194	8	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	19	--	25	129	-13	0	152	8	0
Fuel Ethanol	--	10	--	7	113	9	1	132	6	0
Renewable Fuels Except Fuel Ethanol	--	9	--	18	16	-22	-1	20	2	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	41	-1	--	-8	33	8	6
Motor Gasoline Blend Comp. (MGBC)	--	--	--	22	134	-62	-17	104	7	0
Reformulated	--	--	--	5	63	-7	-10	71	0	0
Conventional	--	--	--	18	70	-55	-7	33	7	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
Finished Petroleum Products	--	--	2,463	149	67	61	-3	--	290	2,453
Finished Motor Gasoline	--	--	1,317	16	14	53	2	--	54	1,345
Reformulated	--	--	908	--	--	14	0	--	--	922
Conventional	--	--	409	16	14	40	2	--	54	423
Finished Aviation Gasoline	--	--	2	0	--	--	1	--	--	1
Kerosene-Type Jet Fuel	--	--	268	99	3	--	-1	--	15	357
Kerosene	--	--	0	0	--	--	0	--	1	0
Distillate Fuel Oil	--	--	532	17	33	8	-6	--	92	505
15 ppm sulfur and under	--	--	505	17	33	8	-6	--	73	495
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	0	--	1	--	5	4
Greater than 500 ppm sulfur	--	--	18	0	--	--	-1	--	13	6
Residual Fuel Oil	--	--	68	12	--	--	6	--	22	51
Less than 0.31 percent sulfur	--	--	1	--	--	--	3	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	15	3	--	--	1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	52	9	--	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	--	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	--	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	--	--	--	0	--	--	1
Lubricants	--	--	14	1	0	--	-1	--	10	5
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	122	0	2	--	-1	--	94	32
Marketable	--	--	93	0	2	--	-1	--	94	2
Catalyst	--	--	29	--	--	--	--	--	--	29
Asphalt and Road Oil	--	--	24	3	15	--	-1	--	1	41
Still Gas	--	--	102	--	--	--	--	--	--	102
Miscellaneous Products	--	--	12	--	--	--	0	--	0	12
Total	918	18	2,503	1,219	524	77	-7	2,359	406	2,501

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

² Net receipts equal gross receipts minus gross shipments by pipeline, tanker, and barge. Receipts and shipments by rail are included for crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil.

³ Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

⁴ A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

⁵ Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, August 2020
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Supply							
Field Production	2,157	56,057	218,324	25,621	25,798	327,957	10,579
Alaskan	--	--	--	--	--	13,751	444
Lower 48 States	--	--	--	--	--	314,206	10,136
Imports (PAD District of Entry)	14,442	76,772	36,555	11,024	29,613	168,406	5,432
Commercial	14,442	76,772	36,555	11,024	29,613	168,406	5,432
Strategic Petroleum Reserve (SPR)	--	--	--	--	--	--	--
Net Receipts	3,140	-12,259	22,453	-18,920	5,586	--	--
Adjustments ¹	-200	-2,307	22,805	-190	585	20,694	668
Disposition							
Stock Change ²	576	-132	-24,303	-915	892	-23,882	-770
Commercial	--	--	-15,693	--	--	-15,272	-493
SPR	--	--	-8,610	--	--	-8,610	-278
Refinery Inputs	18,573	113,605	228,675	18,450	59,391	438,694	14,151
Exports	390	4,790	95,765	--	1,300	102,245	3,298
Ending Stocks							
Total	12,065	140,078	920,092	24,409	54,894	1,151,538	--
Commercial	12,065	140,078	272,562	24,409	54,894	504,008	--
Refinery	6,591	13,470	46,074	2,468	23,470	92,073	--
Tank Farms and Pipelines	5,474	126,608	226,488	21,941	27,003	407,514	--
Cushing, Oklahoma	--	53,938	--	--	--	53,938	--
Lease	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water	--	--	--	--	4,421	4,421	--
SPR	--	--	647,530	--	--	647,530	--
SPR Stocks							
Percent of Total Crude Oil Stocks (Percent)	--	--	--	--	--	56.2	--
Percent of Total Petroleum Stocks (Percent)	--	--	--	--	--	31.1	--
Days of Total Petroleum Net Imports (Days)	--	--	--	--	--	--	--
SPR Receipts Detail							
Receipts	--	--	--	--	--	--	--
Domestic	--	--	--	--	--	--	--
Imports	--	--	--	--	--	--	--
Imported by SPR	--	--	--	--	--	--	--
Imported for SPR by Others	--	--	--	--	--	--	--
Imports							
PAD District of Entry	14,442	76,772	36,555	11,024	29,613	168,406	5,432
PAD District of Processing	14,442	73,187	42,661	8,098	30,018	168,406	5,432

-- = Not Applicable.

-- = No Data Reported.

¹ Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

² A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 26. Production of Crude Oil by PAD District and State, August 2020
(Thousand Barrels)

PAD District and State	August 2020		January-August 2020	
	Total	Daily Average	Total	Daily Average
PAD District 1	2,157	70	16,577	68
Florida	91	3	868	4
New York	23	1	183	1
Pennsylvania	428	14	3,633	15
Virginia	0	0	1	0
West Virginia	1,615	52	11,891	49
PAD District 2	56,057	1,808	451,586	1,851
Illinois	619	20	4,752	19
Indiana	122	4	922	4
Kansas	2,322	75	19,074	78
Kentucky	225	7	1,445	6
Michigan	379	12	2,734	11
Missouri	6	0	55	0
Nebraska	156	5	1,076	4
North Dakota	35,812	1,155	285,610	1,171
Ohio	2,068	67	16,719	69
Oklahoma	14,250	460	118,397	485
South Dakota	85	3	703	3
Tennessee	14	0	99	0
PAD District 3	218,324	7,043	1,923,298	7,882
Alabama	309	10	2,586	11
Arkansas	326	11	2,804	11
Louisiana	2,635	85	24,314	100
Mississippi	1,239	40	9,570	39
New Mexico	31,464	1,015	248,687	1,019
Texas	145,289	4,687	1,214,488	4,977
Federal Offshore PAD District 3	37,062	1,196	420,850	1,725
PAD District 4	25,621	826	210,818	864
Colorado	13,779	444	116,673	478
Idaho	0	0	1	0
Montana	1,597	52	13,124	54
Utah	2,783	90	21,387	88
Wyoming	7,462	241	59,633	244
PAD District 5	25,798	832	210,070	861
Alaska	13,751	444	108,089	443
South Alaska	346	11	3,048	12
North Slope	13,406	432	105,040	430
Arizona	1	0	4	0
California	11,796	381	98,873	405
Nevada	20	1	131	1
Federal Offshore PAD District 5	230	7	2,973	12
U.S. Total	327,957	10,579	2,812,349	11,526

— = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas.

Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil and Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	9	19,734	19,743	5,236	9,704	17,503	32,443
Natural Gas Liquids	9	19,734	19,743	5,236	9,704	17,503	32,443
Ethane	—	7,522	7,522	1,842	1,824	8,033	11,699
Propane	3	6,999	7,002	2,134	3,963	5,055	11,152
Normal Butane	6	2,218	2,224	356	1,715	1,444	3,515
Isobutane	—	925	925	553	564	1,116	2,233
Natural Gasoline	—	2,070	2,070	351	1,638	1,855	3,844

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	75,635	4,765	3,263	579	9,959	94,201	17,042	1,641	165,070
Natural Gas Liquids	75,635	4,765	3,263	579	9,959	94,201	17,042	1,641	165,070
Ethane	33,023	2,326	1,201	171	4,458	41,179	5,791	1	66,192
Propane	22,381	1,268	1,124	141	2,877	27,791	5,587	260	51,792
Normal Butane	7,372	-3,182	389	60	946	5,585	2,212	438	13,974
Isobutane	4,559	3,935	220	51	609	9,374	1,032	174	13,738
Natural Gasoline	8,300	418	329	156	1,069	10,272	2,420	768	19,374

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	4	270	274	852	134	589	1,575
Natural Gas Liquids	4	270	274	852	134	589	1,575
Ethane	—	—	—	32	2	172	206
Propane	2	143	145	435	58	155	648
Normal Butane	2	50	52	180	26	83	289
Isobutane	—	13	13	104	7	78	189
Natural Gasoline	—	64	64	101	41	101	243

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	98	820	979	5	1	1,903	199	638	4,589
Natural Gas Liquids	98	820	979	5	1	1,903	199	638	4,589
Ethane	2	254	—	—	—	256	7	—	469
Propane	21	183	18	2	—	224	91	151	1,259
Normal Butane	11	61	179	2	—	253	40	426	1,060
Isobutane	22	7	31	—	—	60	14	12	288
Natural Gasoline	42	315	751	1	1	1,110	47	49	1,513

— = No Data Reported.
Note: Refer to Appendix A for Refining District descriptions.
Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	15,609	2,964	18,573	73,150	14,981	25,474	113,605
Hydrocarbon Gas Liquids	760	—	760	1,197	64	849	2,110
Natural Gas Liquids	760	—	760	1,197	64	849	2,110
Normal Butane	199	—	199	6	2	18	26
Isobutane	251	—	251	973	62	340	1,375
Natural Gasoline	310	—	310	218	—	491	709
Other Liquids	78,944	6,039	84,983	10,693	4,015	2,960	17,668
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	9,145	792	9,937	5,600	1,605	1,804	9,009
Hydrogen	98	9	107	730	270	186	1,186
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	9,047	783	9,830	4,870	1,335	1,618	7,823
Fuel Ethanol	8,871	723	9,594	4,646	1,083	1,543	7,272
Renewable Diesel Fuel ²	176	60	236	224	252	75	551
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils (net)	2,460	-174	2,286	662	264	-496	430
Naphthas and Lighter	-2	-104	-106	269	6	77	352
Kerosene and Light Gas Oils	-16	—	-16	368	34	-291	111
Heavy Gas Oils	1,859	-68	1,791	0	224	-94	130
Residuum	619	-2	617	25	—	-188	-163
Motor Gasoline Blend.Comp. (MGBC)(net)	67,339	5,421	72,760	4,431	2,146	1,652	8,229
Reformulated - RBOB	17,596	—	17,596	-1,132	1,254	899	1,021
Conventional	49,743	5,421	55,164	5,563	892	753	7,208
CBOB	39,794	5,407	45,201	5,411	815	663	6,889
GTAB	3,582	—	3,582	—	—	—	—
Other	6,367	14	6,381	152	77	90	319
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input	95,313	9,003	104,316	85,040	19,060	29,283	133,383

See footnotes at end of table.

Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	21,121	115,978	81,737	6,829	3,010	228,675	18,450	59,391	438,694
Hydrocarbon Gas Liquids	412	4,898	2,532	19	139	8,000	451	1,766	13,087
Natural Gas Liquids	412	4,898	2,532	19	139	8,000	451	1,766	13,087
Normal Butane	171	1,404	153	1	—	1,729	136	397	2,487
Isobutane	197	2,155	1,350	12	139	3,853	181	675	6,335
Natural Gasoline	44	1,339	1,029	6	—	2,418	134	694	4,265
Other Liquids	8,440	-32,443	-17,056	7,227	-186	-34,018	770	13,531	82,934
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	2,064	2,722	1,901	1,078	203	7,968	1,172	6,550	34,636
Hydrogen	10	1,848	1,399	46	39	3,342	195	1,398	6,228
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	2,054	874	502	1,032	164	4,626	977	5,152	28,408
Fuel Ethanol	1,959	796	487	982	144	4,368	922	4,410	26,566
Renewable Diesel Fuel ²	95	78	15	50	20	258	55	732	1,832
Other Renewable Fuels	—	—	—	—	—	—	—	10	10
Other Hydrocarbons	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	271	-1,043	11,669	102	-40	10,959	329	1,899	15,903
Naphthas and Lighter	189	-5,545	655	-39	-49	-4,789	11	116	-4,416
Kerosene and Light Gas Oils	60	-863	623	113	65	-2	-196	-475	-578
Heavy Gas Oils	75	2,367	6,150	94	-56	8,630	476	1,639	12,666
Residuum	-53	2,998	4,241	-66	—	7,120	38	619	8,231
Motor Gasoline Blend.Comp. (MGBC)(net)	6,097	-34,122	-30,629	6,047	-349	-52,956	-731	5,082	32,384
Reformulated - RBOB	5,154	-6,960	-5,085	10	-648	-7,529	—	3,012	14,100
Conventional	943	-27,162	-25,544	6,037	299	-45,427	-731	2,070	18,284
CBOB	1,034	-25,190	-26,756	6,045	264	-44,603	-888	1,518	8,117
GTAB	—	—	—	—	—	—	—	—	3,582
Other	-91	-1,972	1,212	-8	35	-824	157	552	6,585
Aviation Gasoline Blend. Comp. (net)	8	—	3	—	—	11	—	—	11
Total Input	29,973	88,433	67,213	14,075	2,963	202,657	19,671	74,688	534,715

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	849	78	927	4,069	588	678	5,335
Natural Gas Liquids	389	78	467	3,012	423	519	3,954
Ethane	-	-	-	-	-	-	-
Propane	336	28	364	1,591	285	503	2,379
Normal Butane	116	64	180	1,590	168	99	1,857
Isobutane	-63	-14	-77	-169	-30	-83	-282
Natural Gasoline	-	-	-	-	-	-	-
Refinery Olefins	460	-	460	1,057	165	159	1,381
Ethylene	13	-	13	-	-	-	-
Propylene	453	-	453	868	165	163	1,196
Normal Butylene	-46	-	-46	189	-	-4	185
Isobutylene	40	-	40	-	-	-	-
Finished Motor Gasoline	86,617	7,153	93,770	49,002	10,894	16,492	76,388
Reformulated	35,874	2	35,876	7,427	1,396	999	9,822
Reformulated Blended with Fuel Ethanol	35,874	2	35,876	7,427	1,396	999	9,822
Reformulated Other	-	-	-	-	-	-	-
Conventional	50,743	7,151	57,894	41,575	9,498	15,493	66,566
Conventional Blended with Fuel Ethanol	51,902	7,201	59,103	38,541	9,230	13,913	61,684
Ed55 and Lower	51,858	7,201	59,059	38,530	9,206	13,848	61,584
Greater than Ed55	44	-	44	11	24	65	100
Conventional Other	-1,159	-50	-1,209	3,034	268	1,580	4,882
Finished Aviation Gasoline	-	-	-	-	29	-	29
Kerosene-Type Jet Fuel	305	-	305	4,587	595	352	5,534
Kerosene	29	7	36	181	-	14	195
Distillate Fuel Oil	5,469	764	6,233	18,836	4,999	10,249	34,084
15 ppm sulfur and under	5,582	741	6,323	18,778	4,920	10,234	33,932
Greater than 15 ppm to 500 ppm sulfur	29	-1	28	-25	-	98	73
Greater than 500 ppm sulfur	-142	24	-118	83	79	-83	79
Residual Fuel Oil	1,048	5	1,053	703	187	133	1,023
Less than 0.31 percent sulfur	-4	4	0	72	-	-	72
0.31 to 1.00 percent sulfur	866	1	867	273	81	43	397
Greater than 1.00 percent sulfur	186	-	186	358	106	90	554
Petrochemical Feedstocks	-	-	-	856	-	29	885
Naphtha for Petro. Feed. Use	-	-	-	540	-	-	540
Other Oils for Petro. Feed. Use	-	-	-	316	-	29	345
Special Naphthas	-	18	18	-55	-	27	-28
Lubricants	129	145	274	-	-	191	191
Waxes	-	-17	-17	-	-	24	24
Petroleum Coke	629	19	648	3,814	991	819	5,624
Marketable	205	-	205	2,767	821	583	4,171
Catalyst	424	19	443	1,047	170	236	1,453
Asphalt and Road Oil	537	718	1,255	4,097	1,182	283	5,562
Still Gas	869	55	924	2,728	589	1,076	4,393
Miscellaneous Products	40	38	78	322	118	47	487
Total	96,521	8,983	105,504	89,140	20,172	30,414	139,726
Processing Gain(-) or Loss(+) ¹	-1,208	20	-1,188	-4,100	-1,112	-1,131	-6,343

See footnotes at end of table.

Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	914	7,446	5,185	63	25	13,633	465	1,717	22,077
Natural Gas Liquids	498	4,502	2,749	36	25	7,810	371	1,604	14,206
Ethane	5	170	8	—	—	183	—	—	183
Propane	258	2,106	2,123	9	33	4,529	270	964	8,506
Normal Butane	306	2,805	480	27	-2	3,616	127	475	6,255
Isobutane	-71	-579	138	—	-6	-518	-26	165	-738
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	416	2,944	2,436	27	—	5,823	94	113	7,871
Ethylene	—	8	—	—	—	8	—	—	21
Propylene	409	3,120	2,489	27	—	6,045	4	125	7,823
Normal Butylene	7	-147	-53	—	—	-193	90	-12	24
Isobutylene	—	-37	—	—	—	-37	—	—	3
Finished Motor Gasoline	19,717	21,103	13,970	9,069	1,500	65,359	9,668	43,502	288,687
Reformulated	6,717	5,989	—	—	—	12,706	—	29,804	88,208
Reformulated Blended with Fuel Ethanol	6,717	5,989	—	—	—	12,706	—	29,804	88,208
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	13,000	15,114	13,970	9,069	1,500	52,653	9,668	13,698	200,479
Conventional Blended with Fuel Ethanol	12,680	1,942	4,899	9,790	1,444	30,755	9,221	13,745	174,508
Ed55 and Lower	12,662	1,942	4,899	9,780	1,444	30,727	9,211	13,703	174,284
Greater than Ed55	18	—	—	10	—	28	10	42	224
Conventional Other	320	13,172	9,071	-721	56	21,898	447	-47	25,971
Finished Aviation Gasoline	92	46	52	—	—	190	3	-1	221
Kerosene-Type Jet Fuel	1,121	6,482	4,537	217	1	12,358	956	7,228	26,381
Kerosene	19	452	-43	6	—	434	—	0	665
Distillate Fuel Oil	6,921	39,771	35,876	2,379	1,249	86,196	6,221	16,768	149,502
15 ppm sulfur and under	6,949	38,419	31,824	2,270	1,249	80,711	6,108	16,299	143,373
Greater than 15 ppm to 500 ppm sulfur	-28	892	2,241	90	—	3,195	91	232	3,619
Greater than 500 ppm sulfur	—	460	1,811	19	—	2,290	22	237	2,510
Residual Fuel Oil	285	550	953	-9	61	1,840	394	1,655	5,965
Less than 0.31 percent sulfur	241	—	132	—	—	373	195	94	734
0.31 to 1.00 percent sulfur	-1	360	102	-9	—	452	43	371	2,130
Greater than 1.00 percent sulfur	45	190	719	—	61	1,015	156	1,190	3,101
Petrochemical Feedstocks	130	4,593	2,297	—	—	7,020	—	—	7,905
Naphtha for Petro. Feed. Use	119	3,108	1,448	—	—	4,675	—	—	5,215
Other Oils for Petro. Feed. Use	11	1,485	849	—	—	2,345	—	—	2,690
Special Naphthas	70	590	—	211	—	871	—	11	872
Lubricants	22	1,420	1,447	774	—	3,663	—	465	4,593
Waxes	—	37	39	25	—	101	—	—	108
Petroleum Coke	361	6,810	4,943	122	23	12,259	749	3,819	23,099
Marketable	124	5,120	3,722	106	—	9,072	520	2,962	16,930
Catalyst	237	1,690	1,221	16	23	3,187	229	857	6,169
Asphalt and Road Oil	310	659	619	1,072	45	2,705	1,209	868	11,599
Still Gas	749	5,830	3,214	210	69	10,072	720	3,193	19,302
Miscellaneous Products	131	718	460	12	29	1,350	127	341	2,383
Total	30,842	96,507	73,549	14,151	3,002	218,051	20,512	79,566	563,359
Processing Gain(-) or Loss(+) ¹	-869	-8,074	-6,336	-76	-39	-15,394	-841	-4,878	-28,644

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal Report."

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	15,609	2,964	18,573	73,150	14,981	25,474	113,605
Hydrocarbon Gas Liquids	251	—	251	1,196	62	804	2,062
Natural Gas Liquids	251	—	251	1,196	62	804	2,062
Normal Butane	—	—	—	5	—	—	5
Isobutane	251	—	251	973	62	340	1,375
Natural Gasoline	—	—	—	218	—	464	682
Other Liquids	-6,729	-25	-6,754	-31,876	-4,616	-10,273	-46,765
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	160	144	304	977	495	339	1,811
Hydrogen	98	9	107	730	270	186	1,186
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	62	135	197	247	225	153	625
Fuel Ethanol	62	113	175	174	154	136	464
Renewable Diesel Fuel ²	—	22	22	73	71	17	161
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils (net)	2,460	-174	2,286	599	264	-496	367
Naphthas and Lighter	-2	-104	-106	269	6	77	352
Kerosene and Light Gas Oils	-16	—	-16	368	34	-291	111
Heavy Gas Oils	1,859	-68	1,791	-4	224	-94	126
Residuum	619	-2	617	-34	—	-188	-222
Motor Gasoline Blend.Comp. (MGBC)(net)	-9,349	5	-9,344	-33,452	-5,375	-10,116	-48,943
Reformulated - RBOB	-6,755	—	-6,755	-7,708	—	—	-7,708
Conventional	-2,594	5	-2,589	-25,744	-5,375	-10,116	-41,235
CBOB	-2,600	-9	-2,609	-25,864	-5,452	-10,206	-41,522
GTAB	—	—	—	—	—	—	—
Other	6	14	20	120	77	90	287
Aviation Gasoline Blend. Comp. (net)	—	—	—	—	—	—	—
Total Input to Refineries	9,131	2,939	12,070	42,470	10,427	16,005	68,902
Atmospheric Crude Oil Distillation							
Gross Input (daily average)	528	96	624	2,353	479	822	3,654
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operable Utilization Rate (percent) ³	66.8	98.1	70.2	87.0	87.5	88.8	87.5
Downstream Processing							
Fresh Feed Input (daily average)							
Catalytic Reforming	93	15	108	456	74	158	688
Catalytic Cracking	242	15	258	731	148	196	1,075
Catalytic Hydrocracking	39	—	39	194	57	59	311
Delayed and Fluid Coking	32	—	32	295	75	76	445
Crude Oil Qualities							
Sulfur Content, Weighted Average (percent)	0.75	1.75	0.90	1.62	1.90	0.60	1.42
API Gravity, Weighted Average (degrees)	34.89	31.59	34.37	32.80	26.48	38.26	33.13
Operable Capacity (daily average)	791	98	889	2,703	547	927	4,177
Operating	791	98	889	2,703	509	927	4,139
Idle	—	—	—	—	38	—	38
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—

See footnotes at end of table.

Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	21,121	115,978	81,737	6,829	3,010	228,675	18,450	59,391	438,694
Hydrocarbon Gas Liquids	409	4,430	2,532	17	139	7,527	435	1,758	12,033
Natural Gas Liquids	409	4,430	2,532	17	139	7,527	435	1,758	12,033
Normal Butane	171	1,342	153	—	—	1,666	131	389	2,191
Isobutane	197	2,155	1,350	12	139	3,853	178	675	6,332
Natural Gasoline	41	933	1,029	5	—	2,008	126	694	3,510
Other Liquids	-8,483	-42,222	-20,085	-1,315	-1,501	-73,606	-4,005	-27,577	-158,707
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons	297	1,925	1,604	116	56	3,998	504	1,804	8,421
Hydrogen	10	1,848	1,399	46	39	3,342	195	1,398	6,228
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	287	77	205	70	17	656	309	406	2,193
Fuel Ethanol	228	46	190	49	9	522	272	96	1,529
Renewable Diesel Fuel ²	59	31	15	21	8	134	37	310	664
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	—
Unfinished Oils (net)	271	-938	11,670	102	-40	11,065	329	1,899	15,946
Naphthas and Lighter	189	-5,545	655	-39	-49	-4,789	11	116	-4,416
Kerosene and Light Gas Oils	60	-758	621	113	65	101	-196	-475	-475
Heavy Gas Oils	75	2,367	6,153	94	-56	8,633	476	1,639	12,665
Residuum	-53	2,998	4,241	-66	—	7,120	38	619	8,172
Motor Gasoline Blend Comp. (MGBC)(net)	-9,059	-43,209	-33,362	-1,533	-1,517	-88,680	-4,838	-31,280	-183,085
Reformulated - RBOB	-1,061	-12,716	-5,085	—	-648	-19,510	—	-23,101	-57,074
Conventional	-7,998	-30,493	-28,277	-1,533	-869	-69,170	-4,838	-8,179	-126,011
CBOB	-7,907	-26,309	-28,165	-1,525	-896	-64,802	-4,994	-8,477	-122,404
GTAB	—	—	—	—	—	—	—	—	—
Other	-91	-4,184	-112	-8	27	-4,368	156	298	-3,607
Aviation Gasoline Blend. Comp. (net)	8	—	3	—	—	11	—	—	11
Total Input to Refineries	13,047	78,186	64,184	5,531	1,648	162,596	14,880	33,572	292,020
Atmospheric Crude Oil Distillation									
Gross Input (daily average)	684	3,916	2,846	204	97	7,748	597	2,054	14,677
Operable Capacity (daily average)	742	5,114	3,732	258	137	9,983	698	2,875	18,622
Operable Utilization Rate (percent) ³	92.2	76.6	76.3	79.1	70.9	77.6	85.5	71.5	78.8
Downstream Processing									
Fresh Feed Input (daily average)									
Catalytic Reforming	159	561	523	31	21	1,295	104	363	2,558
Catalytic Cracking	190	1,132	838	17	25	2,202	172	595	4,302
Catalytic Hydrocracking	52	428	396	14	17	906	25	385	1,665
Delayed and Fluid Coking	23	582	437	19	—	1,061	57	397	1,992
Crude Oil Qualities									
Sulfur Content, Weighted Average (percent)	0.57	1.46	1.38	1.33	0.83	1.32	1.41	1.31	1.33
API Gravity, Weighted Average (degrees)	39.53	34.21	31.88	29.54	38.04	33.86	32.35	28.55	32.88
Operable Capacity (daily average)	742	5,114	3,732	258	137	9,983	698	2,875	18,622
Operating	742	5,079	3,732	258	110	9,921	689	2,660	18,298
Idle	—	35	—	—	27	62	10	215	324
Alaskan Crude Oil Receipts	—	—	—	—	—	—	—	12,455	12,455

— = Not Applicable.

NA = No Data Reported.

NA = Not Available.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

³ Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	849	78	927	4,069	588	678	5,335
Natural Gas Liquids	389	78	467	3,012	423	519	3,954
Ethane	—	—	—	—	—	—	—
Propane	336	28	364	1,591	285	503	2,379
Normal Butane	116	64	180	1,590	168	99	1,857
Isobutane	-63	-14	-77	-169	-30	-83	-282
Natural Gasoline	—	—	—	—	—	—	—
Refinery Olefins	460	—	460	1,057	165	159	1,381
Ethylene	13	—	13	—	—	—	—
Propylene	453	—	453	868	165	163	1,196
Normal Butylene	-46	—	-46	189	—	-4	185
Isobutylene	40	—	40	—	—	—	—
Finished Motor Gasoline	608	1,120	1,728	6,546	2,442	3,269	12,257
Reformulated	608	—	608	—	—	—	—
Reformulated Blended with Fuel Ethanol	608	—	608	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	1,120	1,120	6,546	2,442	3,269	12,257
Conventional Blended with Fuel Ethanol	—	1,131	1,131	1,770	1,538	1,392	4,700
Ed55 and Lower	—	1,131	1,131	1,770	1,538	1,392	4,700
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	-11	-11	4,776	904	1,877	7,557
Finished Aviation Gasoline	—	—	—	—	29	—	29
Kerosene-Type Jet Fuel	305	—	305	4,605	597	360	5,562
Kerosene	28	7	35	181	—	14	195
Distillate Fuel Oil	5,293	733	6,026	18,773	4,818	10,188	33,779
15 ppm sulfur and under	5,413	710	6,123	18,715	4,739	10,172	33,626
Greater than 15 ppm to 500 ppm sulfur	—	-1	-1	-25	—	-24	-49
Greater than 500 ppm sulfur	-120	24	-96	83	79	40	202
Residual Fuel Oil	1,050	5	1,055	703	187	133	1,023
Less than 0.31 percent sulfur	—	4	4	72	—	—	72
0.31 to 1.00 percent sulfur	866	1	867	273	81	43	397
Greater than 1.00 percent sulfur	184	—	184	358	106	90	554
Petrochemical Feedstocks	—	—	—	856	—	29	885
Naphtha for Petro. Feed. Use	—	—	—	540	—	—	540
Other Oils for Petro. Feed. Use	—	—	—	316	—	29	345
Special Naphthas	—	18	18	-55	—	27	-28
Lubricants	129	145	274	—	—	191	191
Waxes	—	-17	-17	—	—	24	24
Petroleum Coke	629	19	648	3,814	991	819	5,624
Marketable	205	—	205	2,767	821	583	4,171
Catalyst	424	19	443	1,047	170	236	1,453
Asphalt and Road Oil	537	718	1,255	4,034	1,180	278	5,492
Still Gas	869	55	924	2,728	589	1,076	4,393
Miscellaneous Products	40	38	78	322	118	47	487
Total	10,337	2,919	13,256	46,576	11,539	17,133	75,248
Processing Gain(-) or Loss(+) ¹	-1,206	20	-1,186	-4,106	-1,112	-1,128	-6,346

See footnotes at end of table.

Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	914	7,446	5,185	63	25	13,633	465	1,717	22,077
Natural Gas Liquids	498	4,502	2,749	36	25	7,810	371	1,604	14,206
Ethane	5	170	8	—	—	183	—	—	183
Propane	258	2,106	2,123	9	33	4,529	270	964	8,506
Normal Butane	306	2,805	480	27	-2	3,616	127	475	6,255
Isobutane	-71	-579	138	—	-6	-518	-26	165	-738
Natural Gasoline	—	—	—	—	—	—	—	—	—
Refinery Olefins	416	2,944	2,436	27	—	5,823	94	113	7,871
Ethylene	—	8	—	—	—	8	—	—	21
Propylene	409	3,120	2,489	27	—	6,045	4	125	7,823
Normal Butylene	7	-147	-53	—	—	-193	90	-12	24
Isobutylene	—	-37	—	—	—	-37	—	—	3
Finished Motor Gasoline	2,827	10,813	10,941	550	198	25,329	4,897	2,813	47,024
Reformulated	—	—	—	—	—	—	—	561	1,169
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	561	1,169
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	2,827	10,813	10,941	550	198	25,329	4,897	2,252	45,855
Conventional Blended with Fuel Ethanol	2,266	463	1,912	496	89	5,226	2,784	395	14,236
Ed55 and Lower	2,264	463	1,912	496	89	5,224	2,784	395	14,234
Greater than Ed55	2	—	—	—	—	2	—	—	2
Conventional Other	561	10,350	9,029	54	109	20,103	2,113	1,857	31,619
Finished Aviation Gasoline	92	46	52	—	—	190	3	-1	221
Kerosene-Type Jet Fuel	1,121	6,482	4,527	217	—	12,347	881	7,220	26,315
Kerosene	19	452	-44	6	—	433	—	0	663
Distillate Fuel Oil	6,885	39,789	35,887	2,352	1,237	86,150	6,276	16,360	148,591
15 ppm sulfur and under	6,913	38,357	31,835	2,243	1,237	80,585	6,163	15,897	142,394
Greater than 15 ppm to 500 ppm sulfur	-28	892	2,241	90	—	3,195	91	232	3,468
Greater than 500 ppm sulfur	—	540	1,811	19	—	2,370	22	231	2,729
Residual Fuel Oil	285	575	974	-9	61	1,886	394	1,648	6,006
Less than 0.31 percent sulfur	241	—	135	—	—	376	195	49	696
0.31 to 1.00 percent sulfur	-1	360	102	-9	—	452	43	371	2,130
Greater than 1.00 percent sulfur	45	215	737	—	61	1,058	156	1,228	3,180
Petrochemical Feedstocks	130	4,593	2,297	—	—	7,020	—	—	7,905
Naphtha for Petro. Feed. Use	119	3,108	1,448	—	—	4,675	—	—	5,215
Other Oils for Petro. Feed. Use	11	1,485	849	—	—	2,345	—	—	2,690
Special Naphthas	70	590	—	211	—	871	—	11	872
Lubricants	22	1,420	1,447	774	—	3,663	—	465	4,593
Waxes	—	37	39	25	—	101	—	—	108
Petroleum Coke	361	6,810	4,943	122	23	12,259	749	3,819	23,099
Marketable	124	5,120	3,722	106	—	9,072	520	2,962	16,930
Catalyst	237	1,690	1,221	16	23	3,187	229	857	6,169
Asphalt and Road Oil	310	659	599	1,072	45	2,685	1,209	868	11,509
Still Gas	749	5,830	3,214	210	69	10,072	720	3,193	19,302
Miscellaneous Products	131	718	460	12	29	1,350	127	341	2,383
Total	13,916	86,260	70,521	5,605	1,687	177,989	15,721	38,454	320,668
Processing Gain(-) or Loss(+) ¹	-869	-8,074	-6,337	-74	-39	-15,393	-841	-4,882	-28,648

— = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 32. Blender Net Inputs of Petroleum Products by PAD District, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	509	-	509	1	2	45	48
Natural Gas Liquids	509	-	509	1	2	45	48
Normal Butane	199	-	199	1	2	18	21
Isobutane	-	-	-	-	-	-	-
Natural Gasoline	310	-	310	-	-	27	27
Other Liquids	85,673	6,064	91,737	42,569	8,631	13,233	64,433
Oxygenates/Renewables	8,985	648	9,633	4,623	1,110	1,465	7,198
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	8,985	648	9,633	4,623	1,110	1,465	7,198
Fuel Ethanol	8,809	610	9,419	4,472	929	1,407	6,808
Renewable Diesel Fuel ²	176	38	214	151	181	58	390
Other Renewable Fuels	-	-	-	-	-	-	-
Unfinished Oils (net)	-	-	-	63	-	-	63
Naphthas and Lighter	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-	-	-	-	-	-
Heavy Gas Oils	-	-	-	4	-	-	4
Residuum	-	-	-	59	-	-	59
Motor Gasoline Blend.Comp. (MGBC)(net)	76,688	5,416	82,104	37,883	7,521	11,768	57,172
Reformulated - RBOB	24,351	-	24,351	6,576	1,254	899	8,729
Conventional	52,337	5,416	57,753	31,307	6,267	10,869	48,443
CBOB	42,394	5,416	47,810	31,275	6,267	10,869	48,411
GTAB	3,582	-	3,582	-	-	-	-
Other	6,361	-	6,361	32	-	-	32
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-
Total Input	86,182	6,064	92,246	42,570	8,633	13,278	64,481

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	3	468	-	2	-	473	16	8	1,054
Natural Gas Liquids	3	468	-	2	-	473	16	8	1,054
Normal Butane	-	62	-	1	-	63	5	8	296
Isobutane	-	-	-	-	-	-	3	-	3
Natural Gasoline	3	406	-	1	-	410	8	-	755
Other Liquids	16,923	9,779	3,029	8,542	1,315	39,588	4,775	41,108	241,641
Oxygenates/Renewables	1,767	797	297	962	147	3,970	668	4,746	26,215
Oxygenates (excluding Fuel Ethanol)	-	-	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE)	-	-	-	-	-	-	-	-	-
All Other Oxygenates ¹	-	-	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol)	1,767	797	297	962	147	3,970	668	4,746	26,215
Fuel Ethanol	1,731	750	297	933	135	3,846	650	4,314	25,037
Renewable Diesel Fuel ²	36	47	-	29	12	124	18	422	1,168
Other Renewable Fuels	-	-	-	-	-	-	-	10	10
Unfinished Oils (net)	-	-105	-1	-	-	-106	-	-	-43
Naphthas and Lighter	-	-	-	-	-	-	-	-	-
Kerosene and Light Gas Oils	-	-105	2	-	-	-103	-	-	-103
Heavy Gas Oils	-	-	-3	-	-	-3	-	-	1
Residuum	-	-	-	-	-	-	-	-	59
Motor Gasoline Blend.Comp. (MGBC)(net)	15,156	9,087	2,733	7,580	1,168	35,724	4,107	36,362	215,469
Reformulated - RBOB	6,215	5,756	-	10	-	11,981	-	26,113	71,174
Conventional	8,941	3,331	2,733	7,570	1,168	23,743	4,107	10,249	144,295
CBOB	8,941	1,119	1,409	7,570	1,160	20,199	4,106	9,995	130,521
GTAB	-	-	-	-	-	-	-	-	3,582
Other	-	2,212	1,324	-	8	3,544	1	254	10,192
Aviation Gasoline Blend. Comp. (net)	-	-	-	-	-	-	-	-	-
Total Input	16,926	10,247	3,029	8,544	1,315	40,061	4,791	41,116	242,695

-- = Not Applicable.

- = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 33. Blender Net Production of Petroleum Products by PAD District, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline	86,009	6,033	92,042	42,456	8,452	13,223	64,131
Reformulated	35,266	2	35,268	7,427	1,396	999	9,822
Reformulated Blended with Fuel Ethanol	35,266	2	35,268	7,427	1,396	999	9,822
Reformulated Other	-	-	-	-	-	-	-
Conventional	50,743	6,031	56,774	35,029	7,056	12,224	54,309
Conventional Blended with Fuel Ethanol	51,902	6,070	57,972	36,771	7,692	12,521	56,984
Ed55 and Lower	51,858	6,070	57,928	36,760	7,668	12,456	56,884
Greater than Ed55	44	-	44	11	24	65	100
Conventional Other	-1,159	-39	-1,198	-1,742	-636	-297	-2,675
Finished Aviation Gasoline	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-	0	-18	-2	-8	-28
Kerosene	1	-	1	-	-	-	-
Distillate Fuel Oil	176	31	207	63	181	61	305
15 ppm sulfur and under	169	31	200	63	181	62	306
Greater than 15 ppm to 500 ppm sulfur	29	-	29	-	-	122	122
Greater than 500 ppm sulfur	-22	-	-22	-	-	-123	-123
Residual Fuel Oil	-2	-	-2	-	-	-	-
Less than 0.31 percent sulfur	-4	-	-4	-	-	-	-
0.31 to 1.00 percent sulfur	0	-	0	-	-	-	-
Greater than 1.00 percent sulfur	2	-	2	-	-	-	-
Special Naphthas	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	-	63	2	5	70
Miscellaneous Products	-	-	-	-	-	-	-
Total Production	86,184	6,064	92,248	42,564	8,633	13,281	64,478
Processing Gain(-) or Loss(+) ¹	-2	0	-2	6	0	-3	3

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline	16,890	10,290	3,029	8,519	1,302	40,030	4,771	40,689	241,663
Reformulated	6,717	5,989	-	-	-	12,706	-	29,243	87,039
Reformulated Blended with Fuel Ethanol	6,717	5,989	-	-	-	12,706	-	29,243	87,039
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	10,173	4,301	3,029	8,519	1,302	27,324	4,771	11,446	154,624
Conventional Blended with Fuel Ethanol	10,414	1,479	2,987	9,294	1,355	25,529	6,437	13,350	160,272
Ed55 and Lower	10,398	1,479	2,987	9,284	1,355	25,503	6,427	13,308	160,050
Greater than Ed55	16	-	-	10	-	26	10	42	222
Conventional Other	-241	2,822	42	-775	-53	1,795	-1,666	-1,904	-5,648
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	0	-	10	-	1	11	75	8	66
Kerosene	-	-	1	-	-	1	-	-	2
Distillate Fuel Oil	36	-18	-11	27	12	46	-55	408	911
15 ppm sulfur and under	36	62	-11	27	12	126	-55	402	979
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-	-	-	151
Greater than 500 ppm sulfur	-	-80	-	-	-	-80	-	6	-219
Residual Fuel Oil	-	-25	-21	-	-	-46	-	7	-41
Less than 0.31 percent sulfur	-	-	-3	-	-	-3	-	45	38
0.31 to 1.00 percent sulfur	-	-	-	-	-	-	-	-	0
Greater than 1.00 percent sulfur	-	-25	-18	-	-	-43	-	-38	-79
Special Naphthas	-	-	-	-	-	-	-	-	-
Lubricants	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil	-	-	20	-	-	20	-	-	90
Miscellaneous Products	-	-	-	-	-	-	-	-	-
Total Production	16,926	10,247	3,028	8,546	1,315	40,062	4,791	41,112	242,691
Processing Gain(-) or Loss(+) ¹	0	0	1	-2	0	-1	0	4	4

- = No Data Reported.

¹ Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal Report."

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Crude Oil	5,841	750	6,591	9,799	1,578	2,093	13,470
Petroleum Products	9,047	2,011	11,058	28,397	7,067	10,533	45,997
Hydrocarbon Gas Liquids	618	78	696	2,956	456	1,615	5,027
Natural Gas Liquids	424	78	502	2,263	438	1,605	4,306
Ethane	—	—	—	—	—	—	—
Propane	67	6	73	587	34	929	1,550
Normal Butane	232	59	291	1,387	356	277	2,020
Isobutane	125	13	138	206	48	174	428
Natural Gasoline	—	—	—	83	—	225	308
Refinery Olefins	194	0	194	693	18	10	721
Ethylene	—	—	—	—	—	—	—
Propylene	116	0	116	273	18	7	298
Normal Butylene	29	0	29	420	0	3	423
Isobutylene	49	0	49	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons	85	112	197	60	55	29	144
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	85	112	197	34	55	29	118
Fuel Ethanol	85	104	189	15	39	24	78
Renewable Diesel Fuel ²	—	8	8	19	16	5	40
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	26	—	—	26
Unfinished Oils	3,134	410	3,544	7,491	731	3,764	11,986
Naphthas and Lighter	543	262	805	1,864	220	824	2,908
Kerosene and Light Gas Oils	495	—	495	1,388	176	589	2,153
Heavy Gas Oils	1,199	141	1,340	2,925	331	1,493	4,749
Residuum	897	7	904	1,314	4	858	2,176
Motor Gasoline Blending Components (MGBC)	3,005	289	3,294	7,428	1,521	2,306	11,255
Reformulated - RBOB	892	—	892	917	—	—	917
Conventional	2,113	289	2,402	6,511	1,521	2,306	10,338
CBOB	282	202	484	2,305	910	1,471	4,686
GTAB	—	—	—	—	—	—	—
Other	1,831	87	1,918	4,206	611	835	5,652
Aviation Gasoline Blending Components	—	—	—	—	—	—	—
Finished Motor Gasoline	—	36	36	1,124	213	317	1,654
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	—	36	36	1,124	213	317	1,654
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	—	36	36	1,124	213	317	1,654
Finished Aviation Gasoline	—	—	—	—	40	—	40
Kerosene-Type Jet Fuel	219	—	219	1,185	292	132	1,609
Kerosene	70	7	77	46	—	19	65
Distillate Fuel Oil	1,093	204	1,297	3,257	1,195	1,595	6,047
15 ppm sulfur and under	945	172	1,117	3,083	973	1,416	5,472
Greater than 15 ppm to 500 ppm sulfur	25	8	33	—	9	56	65
Greater than 500 ppm sulfur	123	24	147	174	213	123	510
Residual Fuel Oil	244	22	266	631	200	80	911
Less than 0.31 percent sulfur	—	21	21	46	—	—	46
0.31 to 1.00 percent sulfur	120	1	121	145	42	41	228
Greater than 1.00 percent sulfur	124	—	124	440	158	39	637
Petrochemical Feedstocks	—	—	—	509	—	—	509
Naphtha for Petro. Feed. Use	—	—	—	392	—	—	392
Other Oils for Petro. Feed. Use	—	—	—	117	—	—	117
Special Naphthas	—	16	16	83	—	24	107
Lubricants	424	179	603	—	—	132	132
Waxes	—	239	239	—	—	36	36
Petroleum Coke	—	—	—	929	1,179	161	2,269
Marketable	—	—	—	929	1,179	161	2,269
Catalyst	—	—	—	—	—	—	—
Asphalt and Road Oil	146	377	523	2,622	1,164	317	4,103
Miscellaneous Products	9	42	51	76	21	6	103
Total Stocks, All Oils	14,888	2,761	17,649	38,196	8,645	12,626	59,467

See footnotes at end of table.

Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, August 2020
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Crude Oil	2,055	24,325	17,920	1,373	401	46,074	2,468	23,470	92,073
Petroleum Products	10,579	55,152	47,653	3,392	1,155	117,931	10,329	47,104	232,419
Hydrocarbon Gas Liquids	3,717	2,405	5,452	11	67	11,652	544	1,668	19,587
Natural Gas Liquids	2,733	2,036	2,371	10	67	7,217	490	1,611	14,126
Ethane	123	—	—	—	—	123	—	—	123
Propane	297	471	170	1	3	942	45	96	2,706
Normal Butane	1,968	1,348	823	5	31	4,175	345	1,058	7,889
Isobutane	144	191	971	4	15	1,325	87	454	2,432
Natural Gasoline	201	26	407	—	18	652	13	3	976
Refinery Olefins	984	369	3,081	1	0	4,435	54	57	5,461
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	905	42	218	1	0	1,166	0	11	1,591
Normal Butylene	79	327	2,863	0	0	3,269	54	46	3,821
Isobutylene	0	0	0	0	0	0	0	0	49
Oxygenates/Renewable Fuels/Other Hydrocarbons	48	73	317	73	10	521	241	433	1,536
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates ¹	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	48	73	317	73	10	521	241	433	1,510
Fuel Ethanol	36	50	85	23	6	200	124	52	643
Renewable Diesel Fuel ²	12	23	232	50	4	321	117	381	867
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—	—	26
Unfinished Oils	1,962	21,305	13,468	727	545	38,007	2,813	17,149	73,499
Naphthas and Lighter	879	6,145	1,759	255	162	9,200	798	2,781	16,492
Kerosene and Light Gas Oils	284	3,301	1,911	151	113	5,760	493	3,226	12,127
Heavy Gas Oils	388	9,657	7,102	277	270	17,694	1,112	8,397	33,292
Residuum	411	2,202	2,696	44	—	5,353	410	2,745	11,588
Motor Gasoline Blending Components (MGBC)	2,669	12,501	11,585	243	231	27,229	2,929	13,068	57,775
Reformulated - RBOB	211	1,132	240	—	—	1,583	—	4,711	8,103
Conventional	2,458	11,369	11,345	243	231	25,646	2,929	8,357	49,672
CBOB	1,305	3,282	5,651	197	49	10,484	1,585	2,431	19,670
GTAB	—	—	—	—	—	—	—	—	—
Other	1,153	8,087	5,694	46	182	15,162	1,344	5,926	30,002
Aviation Gasoline Blending Components	16	—	14	—	—	30	—	—	30
Finished Motor Gasoline	133	1,180	2,084	21	—	3,418	719	1,129	6,956
Reformulated	—	—	—	—	—	—	—	16	16
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	16	16
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	133	1,180	2,084	21	—	3,418	719	1,113	6,940
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	54	—	54
Ed55 and Lower	—	—	—	—	—	—	54	—	54
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	133	1,180	2,084	21	—	3,418	665	1,113	6,886
Finished Aviation Gasoline	26	136	112	—	—	274	4	160	478
Kerosene-Type Jet Fuel	328	2,411	1,817	61	—	4,617	317	3,358	10,120
Kerosene	34	—	35	4	—	73	1	1	217
Distillate Fuel Oil	788	6,777	6,834	354	86	14,839	1,667	5,280	29,130
15 ppm sulfur and under	769	5,829	5,091	182	86	11,957	1,472	4,588	24,606
Greater than 15 ppm to 500 ppm sulfur	19	244	800	84	—	1,147	100	295	1,640
Greater than 500 ppm sulfur	—	704	943	88	—	1,735	95	397	2,884
Residual Fuel Oil	114	1,999	1,610	16	99	3,838	235	2,187	7,437
Less than 0.31 percent sulfur	11	—	17	—	—	28	30	17	142
0.31 to 1.00 percent sulfur	40	236	249	16	—	541	12	123	1,025
Greater than 1.00 percent sulfur	63	1,763	1,344	—	99	3,269	193	2,047	6,270
Petrochemical Feedstocks	115	1,473	599	20	—	2,207	—	1	2,717
Naphtha for Petro. Feed. Use	37	914	557	20	—	1,528	—	1	1,921
Other Oils for Petro. Feed. Use	78	559	42	—	—	679	—	—	796
Special Naphthas	155	533	—	94	—	782	—	59	964
Lubricants	53	2,060	1,834	671	—	4,618	—	541	5,894
Waxes	—	66	77	73	—	216	—	—	491
Petroleum Coke	18	1,710	1,246	—	—	2,974	157	1,383	6,783
Marketable	18	1,710	1,246	—	—	2,974	157	1,383	6,783
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	373	330	448	1,024	92	2,267	685	578	8,156
Miscellaneous Products	30	193	121	—	25	369	17	109	649
Total Stocks, All Oils	12,634	79,477	65,573	4,765	1,556	164,005	12,797	70,574	324,492

— = Not Applicable.

— = No Data Reported.

¹ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, August 2020

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids	4.7	2.8	4.4	5.5	3.8	2.7	4.6
Finished Motor Gasoline ¹	53.1	35.8	50.8	51.9	49.0	49.5	51.0
Finished Aviation Gasoline ²	—	—	—	—	0.2	—	0.0
Kerosene-Type Jet Fuel	1.7	—	1.5	6.2	3.9	1.4	4.8
Kerosene	0.2	0.3	0.2	0.2	—	0.1	0.2
Distillate Fuel Oil ³	29.1	25.4	28.6	25.1	30.6	40.4	29.2
Residual Fuel Oil	5.8	0.2	5.0	0.9	1.2	0.5	0.9
Naphtha for Petro. Feed. Use	—	—	—	0.7	—	—	0.5
Other Oils for Petro. Feed. Use	—	—	—	0.4	—	0.1	0.3
Special Naphthas	—	0.6	0.1	-0.1	—	0.1	0.0
Lubricants	0.7	5.2	1.3	—	—	0.8	0.2
Waxes	—	-0.6	-0.1	—	—	0.1	0.0
Petroleum Coke	3.5	0.7	3.1	5.1	6.4	3.3	4.9
Asphalt and Road Oil	3.0	25.7	6.0	5.4	7.6	1.1	4.8
Still Gas	4.8	2.0	4.4	3.7	3.8	4.3	3.8
Miscellaneous Products	0.2	1.4	0.4	0.4	0.8	0.2	0.4
Processing Gain(-) or Loss(+) ⁴	-6.7	0.7	-5.7	-5.5	-7.2	-4.5	-5.5

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids	4.3	6.4	5.5	0.9	0.8	5.6	2.5	2.7	4.8
Finished Motor Gasoline ¹	52.6	42.4	43.9	28.9	52.1	43.6	47.6	51.4	47.0
Finished Aviation Gasoline ²	0.4	0.0	0.1	—	—	0.1	0.0	0.0	0.1
Kerosene-Type Jet Fuel	5.2	5.6	4.8	3.1	—	5.1	4.6	11.5	5.7
Kerosene	0.1	0.4	-0.1	0.1	—	0.2	—	0.0	0.1
Distillate Fuel Oil ³	31.9	34.0	37.8	33.4	40.8	35.4	32.9	25.6	32.1
Residual Fuel Oil	1.3	0.5	1.0	-0.1	2.0	0.8	2.1	2.6	1.3
Naphtha for Petro. Feed. Use	0.6	2.7	1.5	—	—	1.9	—	—	1.1
Other Oils for Petro. Feed. Use	0.1	1.3	0.9	—	—	1.0	—	—	0.6
Special Naphthas	0.3	0.5	—	3.0	—	0.4	—	0.0	0.2
Lubricants	0.1	1.2	1.5	11.1	—	1.5	—	0.7	1.0
Waxes	—	0.0	0.0	0.4	—	0.0	—	—	0.0
Petroleum Coke	1.7	5.8	5.2	1.8	0.8	5.0	4.0	6.1	5.0
Asphalt and Road Oil	1.5	0.6	0.6	15.4	1.5	1.1	6.4	1.4	2.5
Still Gas	3.5	5.0	3.4	3.0	2.3	4.1	3.8	5.1	4.2
Miscellaneous Products	0.6	0.6	0.5	0.0	1.0	0.6	0.7	0.5	0.5
Processing Gain(-) or Loss(+) ⁴	-4.1	-6.9	-6.7	-1.1	-1.3	-6.3	-4.4	-7.8	-6.2

— = No Data Reported.

¹ Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

² Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

³ Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

⁴ Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, August 2020
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
PAD District 1	—	565	723	1,288
Connecticut	—	—	—	—
Delaware	—	—	—	—
Florida	—	—	—	—
Georgia	—	—	—	—
Maine	—	—	—	—
Maryland	—	—	—	—
Massachusetts	—	—	—	—
New Hampshire	—	—	—	—
New Jersey	—	497	484	981
New York	—	—	239	239
North Carolina	—	—	—	—
Pennsylvania	—	68	—	68
Rhode Island	—	—	—	—
South Carolina	—	—	—	—
Vermont	—	—	—	—
Virginia	—	—	—	—
West Virginia	—	—	—	—
PAD District 2	—	14	18	32
Illinois	—	—	—	—
Indiana	—	—	—	—
Michigan	—	—	—	—
Minnesota	—	12	9	21
North Dakota	—	2	—	2
Ohio	—	—	—	—
Wisconsin	—	—	—	—
PAD District 3	132	684	3,411	4,227
Alabama	—	—	358	358
Louisiana	—	684	713	1,397
Mississippi	—	—	783	783
New Mexico	—	—	—	—
Texas	132	—	1,557	1,689
PAD District 4	—	—	—	—
Idaho	—	—	—	—
Montana	—	—	—	—
PAD District 5	—	77	184	261
Alaska	—	—	—	—
California	—	—	150	150
Hawaii	—	—	—	—
Oregon	—	—	—	—
Washington	—	77	34	111
U.S. Total	132	1,340	4,336	5,808

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 37. Imports of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	14,442	73,187	42,661	8,098	30,018	168,406	5,432
Hydrocarbon Gas Liquids	729	1,722	33	342	1,212	4,038	130
Natural Gas Liquids	490	1,520	—	342	1,212	3,564	115
Ethane	—	—	—	—	—	—	—
Propane	450	1,153	—	256	704	2,563	83
Normal Butane	7	84	—	67	498	656	21
Isobutane	33	279	—	19	10	341	11
Natural Gasoline	—	4	—	—	—	4	0
Refinery Olefins	239	202	33	—	—	474	15
Ethylene	—	—	—	—	—	—	—
Propylene	239	158	—	—	—	397	13
Normal Butylene	—	44	33	—	—	77	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	17,256	192	13,159	198	5,542	36,347	1,172
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	67	101	3	59	1,288	1,518	49
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	67	101	—	59	1,288	1,515	49
Fuel Ethanol	—	—	—	—	846	846	27
Biodiesel	67	101	—	59	7	234	8
Other Renewable Diesel Fuel	—	—	—	—	435	435	14
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	3	—	—	3	0
Unfinished Oils ¹	2,379	—	12,294	—	3,254	17,927	578
Naphthas and Lighter	—	—	—	—	—	—	—
Kerosene and Lighter Gas Oils	—	—	56	—	—	56	2
Heavy Gas Oils	2,379	—	3,970	—	2,046	8,395	271
Residuum	—	—	8,268	—	1,208	9,476	306
Motor Gasoline Blend Comp. (MGBC)	14,810	91	862	139	1,000	16,902	545
Reformulated - RBOB	7,486	—	—	—	318	7,804	252
Conventional	7,324	91	862	139	682	9,098	293
CBOB	682	—	—	—	—	682	22
GTAB	1,808	—	—	—	—	1,808	58
Other	4,834	91	862	139	682	6,608	213
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	10,183	1,143	5,975	164	5,169	22,634	730
Finished Motor Gasoline	2,651	37	89	—	788	3,565	115
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	2,651	37	89	—	788	3,565	115
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	2,651	37	89	—	788	3,565	115
Finished Aviation Gasoline	1	5	31	—	4	41	1
Kerosene-Type Jet Fuel	1,734	—	—	49	3,358	5,141	166
Bonded Aircraft Fuel	—	—	—	—	346	346	11
Other	1,734	—	—	49	3,012	4,795	155
Kerosene	—	—	—	—	8	8	0
Distillate Fuel Oil	3,545	186	—	95	681	4,507	145
15 ppm sulfur and under	3,507	184	—	95	680	4,466	144
Bonded	—	—	—	—	—	—	—
Other	3,507	184	—	95	680	4,466	144
Greater than 15 ppm to 500 ppm sulfur	38	—	—	—	—	38	1
Bonded	—	—	—	—	—	—	—
Other	38	—	—	—	—	38	1
Greater than 500 ppm to 2000 ppm sulfur	—	2	—	—	1	3	0
Bonded	—	—	—	—	—	—	—
Other	—	2	—	—	1	3	0
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,288	32	4,227	—	261	5,808	187
Less than 0.31 percent sulfur	—	—	132	—	—	132	4
0.31 to 1.00 percent sulfur	565	14	684	—	77	1,340	43
Greater than 1.00 percent sulfur	723	18	3,411	—	184	4,336	140
Petrochemical Feedstocks	354	141	513	—	—	1,008	33
Naphtha for Petro. Feed. Use	354	83	454	—	—	891	29
Other Oils for Petro. Feed. Use	—	58	59	—	—	117	4
Special Naphthas	2	10	332	—	—	344	11
Lubricants	89	117	581	—	3	790	25
Waxes	92	12	13	—	8	125	4
Petroleum Coke (Marketable)	—	12	155	—	—	167	5
Asphalt and Road Oil	427	591	34	19	58	1,129	36
Miscellaneous Products	—	—	—	1	—	1	0
Total	42,610	76,244	61,828	8,802	41,941	231,425	7,465

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-August 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil^{1,2}	109,581	590,715	469,114	75,083	236,102	1,480,595	6,068
Hydrocarbon Gas Liquids	9,012	13,295	166	2,678	9,968	35,119	144
Natural Gas Liquids	7,169	11,658	35	2,678	9,907	31,447	129
Ethane	—	—	—	—	—	—	—
Propane	6,688	8,618	35	2,281	6,649	24,271	99
Normal Butane	156	1,706	—	320	3,143	5,325	22
Isobutane	325	1,283	—	77	115	1,800	7
Natural Gasoline	—	51	—	—	—	51	0
Refinery Olefins	1,843	1,637	131	—	61	3,672	15
Ethylene	—	—	—	—	—	—	—
Propylene	1,843	1,263	—	—	—	3,106	13
Normal Butylene	—	374	131	—	61	566	2
Isobutylene	—	—	—	—	—	—	—
Other Liquids	112,089	3,066	122,026	893	22,093	260,167	1,066
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,386	807	324	300	6,114	8,931	37
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates ³	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	1,386	807	270	300	6,114	8,877	36
Fuel Ethanol	—	—	—	—	1,789	1,789	7
Biodiesel	1,386	807	270	300	320	3,083	13
Other Renewable Diesel Fuel	—	—	—	—	4,005	4,005	16
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	54	—	—	54	0
Unfinished Oils ¹	16,001	168	111,056	—	10,585	137,810	565
Naphthas and Lighter	3,075	—	2,147	—	172	5,394	22
Kerosene and Lighter Gas Oils	—	75	168	—	—	243	1
Heavy Gas Oils	12,923	93	34,752	—	8,560	56,328	231
Residuum	3	—	73,989	—	1,853	75,845	311
Motor Gasoline Blend Comp. (MGBC)	94,702	2,091	10,646	593	5,394	113,426	465
Reformulated - RBOB	38,184	—	—	—	1,120	39,304	161
Conventional	56,518	2,091	10,646	593	4,274	74,122	304
CBOB	6,080	248	135	14	646	7,123	29
GTAB	13,188	—	933	—	—	14,121	58
Other	37,250	1,843	9,578	579	3,628	52,878	217
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	89,092	8,389	41,459	1,571	36,472	176,983	725
Finished Motor Gasoline	22,333	37	189	26	3,867	26,452	108
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	22,333	37	189	26	3,867	26,452	108
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	22,333	37	189	26	3,867	26,452	108
Finished Aviation Gasoline	36	29	96	—	10	171	1
Kerosene-Type Jet Fuel	10,573	—	1,638	164	24,193	36,568	150
Bonded Aircraft Fuel	1,648	—	—	—	6,525	8,173	33
Other	8,925	—	1,638	164	17,668	28,395	116
Kerosene	—	—	—	—	40	40	0
Distillate Fuel Oil	34,485	1,751	38	1,137	4,212	41,623	171
15 ppm sulfur and under	33,150	1,660	38	1,137	4,205	40,190	165
Bonded	288	90	—	—	—	378	2
Other	32,862	1,570	38	1,137	4,205	39,812	163
Greater than 15 ppm to 500 ppm sulfur	1,072	—	—	—	—	1,072	4
Bonded	—	—	—	—	—	—	—
Other	1,072	—	—	—	—	1,072	4
Greater than 500 ppm to 2000 ppm sulfur	263	91	—	—	7	361	1
Bonded	—	—	—	—	—	—	—
Other	263	91	—	—	7	361	1
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	11,997	746	24,712	—	2,833	40,288	165
Less than 0.31 percent sulfur	1,105	—	393	—	—	1,498	6
0.31 to 1.00 percent sulfur	5,599	371	2,314	—	656	8,940	37
Greater than 1.00 percent sulfur	5,293	375	22,005	—	2,177	29,850	122
Petrochemical Feedstocks	877	1,253	2,789	—	199	5,118	21
Naphtha for Petro. Feed. Use	870	678	2,528	—	199	4,275	18
Other Oils for Petro. Feed. Use	7	575	261	—	—	843	3
Special Naphthas	11	56	3,378	—	—	3,445	14
Lubricants	1,032	954	6,145	—	164	8,295	34
Waxes	576	103	258	—	210	1,147	5
Petroleum Coke (Marketable)	18	195	2,118	—	119	2,450	10
Asphalt and Road Oil	7,154	3,265	98	236	625	11,378	47
Miscellaneous Products	—	—	—	8	—	8	0
Total	319,774	615,465	632,765	80,225	304,635	1,952,864	8,004

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	18,046	56	-	2	-	-	-	-	956	956
Algeria	-	-	-	-	-	-	-	-	328	328
Angola	58	-	-	-	-	-	-	-	325	325
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	6,473	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	2	-	-	-	-	-	-
Nigeria	3,250	-	-	-	-	-	-	-	293	293
Saudi Arabia	8,265	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	56	-	-	-	-	-	-	10	10
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	150,360	3,508	474	17,925	-	3,565	3,565	7,804	8,142	15,946
Argentina	3,164	-	-	-	-	89	89	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	427	427	142	683	825
Brazil	1,396	-	-	23	-	291	291	-	676	676
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	674	-	-	-	-	-	-	-	-	-
Canada	106,192	3,322	441	186	-	757	757	2,664	1,248	3,912
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	5,168	-	-	-	-	-	-	-	169	169
Denmark	-	-	-	3	-	-	-	-	-	-
Ecuador	7,163	-	-	353	-	-	-	-	-	-
Egypt	-	-	-	739	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	31	-	-	-	25	120	145
France	-	-	-	-	-	326	326	266	-	266
Germany	-	-	-	167	-	-	-	52	84	136
Guatemala	113	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,256	2,256
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	647	-	97	97	278	297	575
Korea, South	-	-	-	-	-	54	54	318	254	572
Latvia	-	-	-	-	-	-	-	-	34	34
Lithuania	-	-	-	-	-	-	-	-	34	34
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	19,996	-	33	1,679	-	-	-	506	270	776
Netherlands	-	-	-	331	-	274	274	1,237	305	1,542
Norway	-	186	-	272	-	7	7	-	158	158
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	284	284	835	47	882
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	1,456	-	-	12,390	-	63	63	507	729	1,236
Spain	-	-	-	65	-	3	3	28	274	302
Sweden	-	-	-	410	-	6	6	22	20	42
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	526	-	-	-	-	-	-	-	-	-
United Kingdom	353	-	-	173	-	227	227	924	292	1,216
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	3,152	0	0	456	-	660	660	0	192	192
Total	168,406	3,564	474	17,927	-	3,565	3,565	7,804	9,098	16,902
Persian Gulf³	14,738	56	-	-	-	-	-	-	10	10

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	846	234	435	-	4,466	38	3	-	4,507
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	159	-	-	-	159
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	846	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	234	-	-	2,655	38	3	-	2,696
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	370	-	-	-	370
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	299	-	-	-	299
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	819	-	-	-	819
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	164	-	-	-	164
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	435	-	0	0	0	-	0
Total	--	--	846	234	435	-	4,466	38	3	-	4,507
Persian Gulf³	--	--	-	-	-	-	164	-	-	-	164

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	44	85	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	44	85	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	8	41	—	5,097	259	132	1,340	4,336	5,808
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	40	—	79	—	79
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	10	—	206	12	—	139	735	874
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	60	60
Denmark	—	—	—	—	—	—	239	—	239
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	904	904
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	1,001	43	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	184	—	—	36	—	36
Korea, South	8	—	—	2,947	82	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	132	—	1,024	1,156
Netherlands	—	31	—	—	—	—	54	195	249
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	684	1,278	1,962
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	109	—	109
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	754	82	0	0	140	140
Total	8	41	—	5,141	344	132	1,340	4,336	5,808
Persian Gulf⁶	—	—	—	44	85	—	—	—	—

See footnotes at end of table.

Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	77	—	—	—	—	23	—	1,243	19,289	582	40	622
Algeria	—	—	—	—	—	—	—	328	328	—	11	11
Angola	—	—	—	—	—	—	—	325	383	2	10	12
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	6,473	209	—	209
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	2	2	—	0	0
Nigeria	—	—	—	—	—	—	—	293	3,543	105	9	114
Saudi Arabia	77	—	—	—	—	—	—	206	8,471	267	7	273
United Arab Emirates	—	—	—	—	—	23	—	89	89	—	3	3
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	814	117	125	167	1,129	767	1	61,776	212,136	4,850	1,993	6,843
Argentina	—	15	—	—	—	—	—	104	3,268	102	3	105
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	159	1,166	32	5	38
Bahrain	—	—	—	—	—	11	—	11	11	—	0	0
Belgium	4	—	—	—	—	17	—	1,273	1,273	—	41	41
Brazil	—	12	—	155	—	—	—	2,122	3,518	45	68	113
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	674	22	—	22
Canada	83	58	69	12	950	175	1	13,998	120,190	3,426	452	3,877
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	9	—	—	—	—	9	9	—	0	0
Colombia	—	—	—	—	—	—	—	599	5,767	167	19	186
Denmark	—	—	—	—	—	—	—	242	242	—	8	8
Ecuador	—	—	—	—	—	—	—	353	7,516	231	11	242
Egypt	—	—	—	—	—	—	—	1,643	1,643	—	53	53
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	176	176	—	6	6
France	2	32	—	—	—	10	—	636	636	—	21	21
Germany	—	—	—	—	—	14	—	317	317	—	10	10
Guatemala	—	—	—	—	—	—	—	5	118	4	0	4
India	—	—	—	—	—	—	—	3,300	3,300	—	106	106
Indonesia	—	—	—	—	—	106	—	405	405	—	13	13
Italy	—	—	—	—	—	7	—	1,546	1,546	—	50	50
Korea, South	41	—	1	—	—	98	—	4,622	4,622	—	149	149
Latvia	—	—	—	—	—	—	—	34	34	—	1	1
Lithuania	—	—	—	—	—	—	—	34	34	—	1	1
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	200	—	—	—	—	—	—	3,844	23,840	645	124	769
Netherlands	346	—	—	—	—	55	—	2,828	2,828	—	91	91
Norway	—	—	—	—	—	—	—	623	623	—	20	20
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,166	1,166	—	38	38
Qatar	—	—	—	—	—	272	—	436	436	—	14	14
Russia	—	—	—	—	—	—	—	15,651	17,107	47	505	552
Spain	—	—	3	—	—	—	—	373	373	—	12	12
Sweden	—	—	—	—	—	2	—	569	569	—	18	18
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	526	17	—	17
United Kingdom	2	—	—	—	—	—	—	1,618	1,971	11	52	64
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	136	0	43	0	179	0	0	3,080	6,232	101	102	202
Total	891	117	125	167	1,129	790	1	63,019	231,425	5,432	2,033	7,465
Persian Gulf³	77	—	—	—	—	306	—	742	15,480	475	24	499

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
OPEC	236,008	994	-	3,506	-	599	599	324	4,035	4,359
Algeria	-	-	-	809	-	-	-	-	1,524	1,524
Angola	5,678	-	-	-	-	-	-	-	633	633
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	789	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	52,579	-	-	-	-	-	-	-	-	-
Kuwait	5,503	-	-	717	-	-	-	-	-	-
Libya	3,115	-	-	2	-	-	-	-	-	-
Nigeria	16,471	-	-	309	-	-	-	-	579	579
Saudi Arabia	151,664	-	-	1,207	-	599	599	324	1,021	1,345
United Arab Emirates	998	205	-	462	-	-	-	-	278	278
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	1,244,587	30,453	3,672	134,304	-	25,853	25,853	38,980	70,087	109,067
Argentina	9,543	-	-	87	-	89	89	-	167	167
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	248	248
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,221	-	1,166	1,166	1,630	1,846	3,476
Brazil	16,439	-	-	23	-	2,570	2,570	30	5,771	5,801
Brunei	4,445	-	-	-	-	-	-	-	-	-
Cameroon	5,142	-	-	-	-	-	-	-	-	-
Canada	876,821	29,223	3,541	1,095	-	3,974	3,974	23,023	9,091	32,114
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	65,036	-	-	2,766	-	108	108	-	1,149	1,149
Denmark	-	-	-	56	-	38	38	18	25	43
Ecuador	40,328	-	-	2,600	-	-	-	-	-	-
Egypt	1,019	-	-	4,541	-	250	250	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	135	-	14	14	63	2,082	2,145
France	-	-	-	-	-	2,849	2,849	1,036	35	1,071
Germany	-	-	-	467	-	67	67	73	563	636
Guatemala	944	-	-	-	-	-	-	-	-	-
India	-	-	-	413	-	333	333	60	15,945	16,005
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,943	-	97	97	278	3,693	3,971
Korea, South	-	-	-	-	-	1,317	1,317	318	2,413	2,731
Latvia	-	-	-	-	-	59	59	-	34	34
Lithuania	-	-	-	-	-	52	52	-	358	358
Malaysia	-	-	-	1,159	-	-	-	-	32	32
Mexico	171,581	-	131	7,781	-	-	-	506	839	1,345
Netherlands	-	-	-	1,356	-	3,096	3,096	5,209	5,685	10,894
Norway	2,625	794	-	453	-	321	321	11	2,176	2,187
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	425	-	3,790	3,790	980	1,125	2,105
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	17,456	-	-	96,999	-	1,597	1,597	507	5,638	6,145
Spain	-	-	-	887	-	1,486	1,486	217	3,413	3,630
Sweden	-	-	-	1,221	-	711	711	31	776	807
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	9,202	167	-	-	-	-	-	-	-	-
United Kingdom	5,750	234	-	2,549	-	866	866	4,990	3,741	8,731
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	16,289	35	0	4,127	-	1,003	1,003	0	3,242	3,242
Total	1,480,595	31,447	3,672	137,810	-	26,452	26,452	39,304	74,122	113,426
Persian Gulf³	210,744	205	-	2,386	-	599	599	324	1,299	1,623

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
OPEC	--	--	-	-	-	-	101	-	-	-	101
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	101	-	-	-	101
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	1,789	3,083	4,005	-	40,089	1,072	361	-	41,522
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	159	-	-	-	159
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	1,789	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	1,878	-	-	30,424	291	98	-	30,813
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	3,666	-	-	-	3,666
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	704	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia	--	--	-	-	-	-	417	-	-	-	417
Italy	--	--	-	-	-	-	303	-	-	-	303
Korea, South	--	--	-	302	-	-	1,544	-	-	-	1,544
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	-	-	263	-	263
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	744	-	-	-	744
Russia	--	--	-	-	-	-	784	-	-	-	784
Spain	--	--	-	199	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	4,005	-	274	0	0	-	274
Total	--	--	1,789	3,083	4,005	-	40,190	1,072	361	-	41,623
Persian Gulf³	--	--	-	-	-	-	845	-	-	-	845

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			Total
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	
OPEC	—	—	—	1,868	211	11	282	965	1,258
Algeria	—	—	—	—	—	11	226	—	237
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	887	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	939	211	—	—	656	656
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	40	171	—	34,700	3,234	1,487	8,658	28,885	39,030
Argentina	—	—	—	—	—	314	517	—	831
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	1,358	1,532
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	106	411	517
Brazil	—	—	—	—	343	35	1,160	475	1,670
Brunei	—	—	—	1,391	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	20	47	—	1,995	391	683	1,210	3,946	5,839
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	312	—	—	—	1	1
Colombia	—	—	—	107	—	6	50	444	500
Denmark	—	—	—	—	—	—	471	—	471
Ecuador	—	—	—	15	—	—	—	763	763
Egypt	—	—	—	—	—	—	—	1,451	1,451
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	34	—	—	—	—
Germany	—	—	—	—	58	—	139	—	139
Guatemala	—	—	—	5	—	—	—	—	—
India	—	—	—	2,699	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	479	—	—	36	59	95
Korea, South	20	—	—	17,831	1,609	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	401	401
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	67	428	6	10,927	11,361
Netherlands	—	124	—	—	4	—	854	425	1,279
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	—	—	18	962	6,657	7,637
Spain	—	—	—	—	26	—	—	67	67
Sweden	—	—	—	—	—	—	797	—	797
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	284	29	—	692	—	692
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	0	0	—	8,411	533	3	840	1,424	2,267
Total	40	171	—	36,568	3,445	1,498	8,940	29,850	40,288
Persian Gulf³	—	—	—	2,860	211	—	—	965	965

See footnotes at end of table.

Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	77	—	3	—	—	897	—	13,873	249,881	967	57	1,024
Algeria	—	—	—	—	—	—	—	2,570	2,570	—	11	11
Angola	—	—	—	—	—	—	—	633	6,311	23	3	26
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	789	789	—	3	3
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	42	52,621	215	0	216
Kuwait	—	—	—	—	—	—	—	1,604	7,107	23	7	29
Libya	—	—	—	—	—	—	—	2	3,117	13	0	13
Nigeria	—	—	—	—	—	—	—	940	17,411	68	4	71
Saudi Arabia	77	—	3	—	—	—	—	5,138	156,802	622	21	643
United Arab Emirates	—	—	—	—	—	897	—	2,151	3,149	4	9	13
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	4,198	843	1,144	2,450	11,378	7,398	8	458,396	1,702,983	5,101	1,879	6,979
Argentina	—	78	—	1,112	—	12	—	2,376	11,919	39	10	49
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	1,939	2,946	4	8	12
Bahrain	—	—	—	—	—	287	—	287	287	—	1	1
Belgium	8	—	—	—	—	139	—	8,528	8,528	—	35	35
Brazil	—	26	—	441	—	—	—	12,698	29,137	67	52	119
Brunei	—	—	—	—	—	—	—	1,391	5,836	18	6	24
Cameroon	—	—	—	—	—	—	—	—	5,142	21	—	21
Canada	678	582	470	313	9,689	1,589	8	124,259	1,001,080	3,594	509	4,103
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	240	—	—	—	—	553	553	—	2	2
Colombia	—	—	—	—	261	—	—	8,557	73,593	267	35	302
Denmark	—	—	—	—	—	—	—	608	608	—	2	2
Ecuador	—	—	—	—	—	—	—	3,378	43,706	165	14	179
Egypt	—	—	—	—	—	—	—	6,242	7,261	4	26	30
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	20	—	2,463	2,463	—	10	10
France	3	157	10	—	—	53	—	4,177	4,177	—	17	17
Germany	—	—	15	228	—	92	—	2,406	2,406	—	10	10
Guatemala	—	—	—	—	—	—	—	5	949	4	0	4
India	—	—	—	—	—	—	—	21,503	21,503	—	88	88
Indonesia	—	—	—	—	—	639	—	1,056	1,056	—	4	4
Italy	—	—	48	—	141	157	—	7,234	7,580	1	30	31
Korea, South	85	—	6	—	—	2,111	—	27,556	27,556	—	113	113
Latvia	—	—	—	—	—	—	—	169	169	—	1	1
Lithuania	—	—	—	—	—	—	—	811	811	—	3	3
Malaysia	—	—	15	—	—	—	—	1,206	1,206	—	5	5
Mexico	1,506	—	—	—	—	—	—	22,272	193,853	703	91	794
Netherlands	919	—	—	130	—	344	—	18,446	18,446	—	76	76
Norway	1	—	—	—	—	—	—	3,756	6,381	11	15	26
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	19	—	6,834	6,834	—	28	28
Qatar	—	—	—	—	—	1,752	—	3,488	3,488	—	14	14
Russia	—	—	—	—	—	23	—	113,185	130,641	72	464	535
Spain	—	—	10	—	379	38	—	7,362	7,362	—	30	30
Sweden	—	—	—	15	—	5	—	3,556	3,556	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	267	9,469	38	1	39
United Kingdom	74	—	77	8	—	113	—	13,657	19,407	24	56	80
Vietnam	—	—	—	—	—	—	—	—	614	3	—	3
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	924	0	253	3	908	5	0	25,971	42,260	66	107	173
Total	4,275	843	1,147	2,450	11,378	8,295	8	472,269	1,952,864	6,068	1,936	8,004
Persian Gulf³	77	—	3	—	—	2,936	—	12,710	223,454	864	52	916

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	4,312	-	-	1	-	-	-	-	956	956
Algeria	-	-	-	-	-	-	-	-	328	328
Angola	58	-	-	-	-	-	-	-	325	325
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	3,250	-	-	-	-	-	-	-	293	293
Saudi Arabia	1,004	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	10	10
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	10,130	490	239	2,378	-	2,651	2,651	7,486	6,368	13,854
Argentina	863	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	240	240	142	683	825
Brazil	-	-	-	-	-	291	291	-	618	618
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	674	-	-	-	-	-	-	-	-	-
Canada	4,195	304	239	-	-	705	705	2,664	1,018	3,682
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	169	169
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	31	-	-	-	25	120	145
France	-	-	-	-	-	314	314	266	-	266
Germany	-	-	-	167	-	-	-	52	84	136
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	1,861	1,861
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	97	97	278	19	297
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	34	34
Lithuania	-	-	-	-	-	-	-	-	34	34
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	1,594	-	-	675	-	-	-	506	-	506
Netherlands	-	-	-	-	-	112	112	1,237	305	1,542
Norway	-	186	-	-	-	7	7	-	158	158
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	282	282	835	-	835
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	750	-	-	874	-	63	63	507	729	1,236
Spain	-	-	-	-	-	3	3	28	65	93
Sweden	-	-	-	410	-	6	6	22	20	42
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	353	-	-	173	-	186	186	924	292	1,216
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	1,701	0	0	48	-	345	345	0	159	159
Total	14,442	490	239	2,379	-	2,651	2,651	7,486	7,324	14,810
Persian Gulf³	1,004	-	-	-	-	-	-	-	10	10

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	67	-	-	3,507	38	-	-	3,545
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	159	-	-	-	159
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	67	-	-	1,862	38	-	-	1,900
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	370	-	-	-	370
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	299	-	-	-	299
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	653	-	-	-	653
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	164	-	-	-	164
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	-	-	0
Total	--	--	-	67	-	-	3,507	38	-	-	3,545
Persian Gulf³	--	--	-	-	-	-	164	-	-	-	164

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	1	—	1,734	2	—	565	723	1,288
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	79	—	79
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	1	—	186	2	—	48	463	511
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	60	60
Denmark	—	—	—	—	—	—	239	—	239
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	1,001	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	184	—	—	36	—	36
Korea, South	—	—	—	363	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	5	5
Netherlands	—	—	—	—	—	—	54	195	249
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	109	—	109
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	0	0	—	0	0	0
Total	—	1	—	1,734	2	—	565	723	1,288
Persian Gulf⁶	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	23	—	980	5,292	139	32	171
Algeria	—	—	—	—	—	—	—	328	328	—	11	11
Angola	—	—	—	—	—	—	—	325	383	2	10	12
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	293	3,543	105	9	114
Saudi Arabia	—	—	—	—	—	—	—	—	1,004	32	—	32
United Arab Emirates	—	—	—	—	—	23	—	33	33	—	1	1
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	354	—	92	—	427	66	—	27,188	37,318	327	877	1,204
Argentina	—	—	—	—	—	—	—	—	863	28	—	28
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	159	159	—	5	5
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	4	—	—	—	—	1	—	1,070	1,070	—	35	35
Brazil	—	—	—	—	—	—	—	988	988	—	32	32
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	674	22	—	22
Canada	—	—	57	—	282	43	—	7,979	12,174	135	257	393
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	9	—	—	—	—	9	9	—	0	0
Colombia	—	—	—	—	—	—	—	599	599	—	19	19
Denmark	—	—	—	—	—	—	—	239	239	—	8	8
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	176	176	—	6	6
France	2	—	—	—	—	6	—	588	588	—	19	19
Germany	—	—	—	—	—	12	—	315	315	—	10	10
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	2,862	2,862	—	92	92
Indonesia	—	—	—	—	—	—	—	299	299	—	10	10
Italy	—	—	—	—	—	—	—	614	614	—	20	20
Korea, South	—	—	1	—	—	—	—	1,017	1,017	—	33	33
Latvia	—	—	—	—	—	—	—	34	34	—	1	1
Lithuania	—	—	—	—	—	—	—	34	34	—	1	1
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	1,186	2,780	51	38	90
Netherlands	346	—	—	—	—	2	—	2,251	2,251	—	73	73
Norway	—	—	—	—	—	—	—	351	351	—	11	11
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,117	1,117	—	36	36
Qatar	—	—	—	—	—	—	—	164	164	—	5	5
Russia	—	—	—	—	—	—	—	2,173	2,923	24	70	94
Spain	—	—	3	—	—	—	—	99	99	—	3	3
Sweden	—	—	—	—	—	2	—	569	569	—	18	18
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	2	—	—	—	—	—	—	1,577	1,930	11	51	62
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	—	22	—	145	0	—	719	2,420	56	24	78
Total	354	—	92	—	427	89	—	28,168	42,610	466	909	1,375
Persian Gulf³	—	—	—	—	—	23	—	197	1,201	32	6	39

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	73,187	1,520	202	-	-	37	37	-	91	91
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	73,187	1,520	202	-	-	37	37	-	91	91
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	-	-	0	0	-	0	0
Total	73,187	1,520	202	-	-	37	37	-	91	91
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	101	-	-	184	-	2	-	186
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	101	-	-	184	-	2	-	186
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	0	-	0
Total	--	--	-	101	-	-	184	-	2	-	186
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	5	-	-	10	-	14	18	32
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	5	-	-	10	-	14	18	32
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	0	0	0
Total	-	5	-	-	10	-	14	18	32
Persian Gulf⁶	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	83	58	12	12	591	117	—	3,057	76,244	2,361	99	2,459
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	83	58	12	12	591	117	—	3,057	76,244	2,361	99	2,459
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	0	0	0	0	—	0	0	0	0	0
Total	83	58	12	12	591	117	—	3,057	76,244	2,361	99	2,459
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	6,253	—	—	1	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	680	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	1	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	5,573	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—
Non-OPEC	36,408	—	33	12,293	—	89	89	—	862	862
Argentina	448	—	—	—	—	89	89	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	1,007	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—	—
Brazil	460	—	—	23	—	—	—	—	58	58
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	11,872	—	—	161	—	—	—	—	—	—
Chad	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	4,460	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	3	—	—	—	—	—	—
Ecuador	—	—	—	183	—	—	—	—	—	—
Egypt	—	—	—	739	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—	—
Guatemala	113	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	647	—	—	—	—	278	278
Korea, South	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—
Mexico	17,522	—	33	702	—	—	—	—	270	270
Netherlands	—	—	—	331	—	—	—	—	—	—
Norway	—	—	—	272	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	47	47
Qatar	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	8,925	—	—	—	—	—	—
Spain	—	—	—	54	—	—	—	—	209	209
Sweden	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	526	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	0	—	0	253	—	0	0	—	0	0
Total	42,661	—	33	12,294	—	89	89	—	862	862
Persian Gulf³	6,253	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	-	-	-	-	-	-	-	-
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	-	-	-	-	-
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	-	-	-	-	-	-	-	-
Total	--	--	-	-	-	-	-	-	-	-	-
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	—	85	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	85	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	31	—	—	247	132	684	3,411	4,227
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	40	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	—	—	70	70
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	904	904
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	43	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	82	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	132	—	1,019	1,151
Netherlands	—	31	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	684	1,278	1,962
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	—	82	0	0	140	140
Total	—	31	—	—	332	132	684	3,411	4,227
Persian Gulf⁶	—	—	—	—	85	—	—	—	—

See footnotes at end of table.

Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	77	—	—	—	—	—	—	163	6,416	202	5	207
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	680	22	—	22
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	77	—	—	—	—	—	—	162	5,735	180	5	185
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	377	59	13	155	34	581	—	19,004	55,412	1,174	613	1,787
Argentina	—	15	—	—	—	—	—	104	552	14	3	18
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	1,007	32	—	32
Bahrain	—	—	—	—	—	11	—	11	11	—	0	0
Belgium	—	—	—	—	—	16	—	16	16	—	1	1
Brazil	—	12	—	155	—	—	—	288	748	15	9	24
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	—	12	—	243	12,115	383	8	391
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	—	—	4,460	144	—	144
Denmark	—	—	—	—	—	—	—	3	3	—	0	0
Ecuador	—	—	—	—	—	—	—	183	183	—	6	6
Egypt	—	—	—	—	—	—	—	1,643	1,643	—	53	53
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—	—	—	—
France	—	32	—	—	—	4	—	36	36	—	1	1
Germany	—	—	—	—	—	2	—	2	2	—	0	0
Guatemala	—	—	—	—	—	—	—	—	113	4	—	4
India	—	—	—	—	—	—	—	43	43	—	1	1
Indonesia	—	—	—	—	—	106	—	106	106	—	3	3
Italy	—	—	—	—	—	7	—	932	932	—	30	30
Korea, South	41	—	—	—	—	98	—	221	221	—	7	7
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	200	—	—	—	—	—	—	2,356	19,878	565	76	641
Netherlands	—	—	—	—	—	53	—	415	415	—	13	13
Norway	—	—	—	—	—	—	—	272	272	—	9	9
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	47	47	—	2	2
Qatar	—	—	—	—	—	272	—	272	272	—	9	9
Russia	—	—	—	—	—	—	—	10,887	10,887	—	351	351
Spain	—	—	—	—	—	—	—	263	263	—	8	8
Sweden	—	—	—	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	526	17	—	17
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	136	0	13	0	34	0	—	661	661	0	23	22
Total	454	59	13	155	34	581	—	19,167	61,828	1,376	618	1,994
Persian Gulf³	77	—	—	—	—	283	—	445	6,698	202	14	216

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	8,098	342	-	-	-	-	-	-	139	139
Canada	8,098	342	-	-	-	-	-	-	139	139
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	-	-	-	0	0
Total	8,098	342	-	-	-	-	-	-	139	139
	PAD District 5									
OPEC	7,481	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	5,793	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	1,688	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	22,537	1,156	-	3,254	-	788	788	318	682	1,000
Argentina	1,853	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	936	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Canada	8,840	1,156	-	25	-	15	15	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	708	-	-	-	-	-	-	-	-	-
Ecuador	7,163	-	-	170	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	-	33	33
Korea, South	-	-	-	-	-	54	54	318	254	572
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	880	-	-	302	-	-	-	-	-	-
Netherlands	-	-	-	-	-	162	162	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	500	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	315	315	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	41	41	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	1,657	0	-	2,757	-	201	201	0	395	395
Total	30,018	1,212	-	3,254	-	788	788	318	682	1,000
Persian Gulf ³	7,481	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
PAD District 4											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	59	-	-	95	-	-	-	95
Canada	--	--	-	59	-	-	95	-	-	-	95
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	59	-	-	95	-	-	-	95
PAD District 5											
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	846	7	435	-	680	-	1	-	681
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	846	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	7	-	-	514	-	1	-	515
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	166	-	-	-	166
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	435	-	0	-	0	-	0
Total	--	--	846	7	435	-	680	-	1	-	681
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	Kerosene	Finished Aviation Gasoline							
	PAD District 4								
OPEC	-	-	-	44	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	5	-	-	-	-	-
Canada	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	5	-	-	-	-	-
Total	-	-	-	49	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	8	4	-	3,358	-	-	77	184	261
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Canada	-	4	-	20	-	-	77	184	261
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	440	-	-	-	-	-
Korea, South	8	-	-	2,584	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	314	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	0	0	0
Total	8	4	-	3,358	-	-	77	184	261
Persian Gulf ³	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	44	44	-	1	1
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	19	-	1	660	8,758	261	21	283
Canada	-	-	-	-	19	-	1	655	8,753	261	21	282
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	5	5	0	0	1
Total	-	-	-	-	19	-	1	704	8,802	261	23	284
	PAD District 5											
OPEC	-	-	-	-	-	-	-	56	7,537	241	2	243
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	5,793	187	-	187
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	1,688	54	-	54
United Arab Emirates	-	-	-	-	-	-	-	56	56	-	2	2
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	8	-	58	3	-	11,867	34,404	727	383	1,110
Argentina	-	-	-	-	-	-	-	-	1,853	60	-	60
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	846	1,782	30	27	57
Brunei	-	-	-	-	-	-	-	-	-	-	-	-
Canada	-	-	-	-	58	3	-	2,064	10,904	285	67	352
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	708	23	-	23
Ecuador	-	-	-	-	-	-	-	170	7,333	231	5	237
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	-	-	-	-	473	473	-	15	15
Korea, South	-	-	-	-	-	-	-	3,384	3,384	-	109	109
Malaysia	-	-	-	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	302	1,182	28	10	38
Netherlands	-	-	-	-	-	-	-	162	162	-	5	5
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	500	16	-	16
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	1,064	1,064	-	34	34
Sweden	-	-	-	-	-	-	-	-	-	-	-	-
Taiwan	-	-	8	-	-	-	-	8	8	-	0	0
United Kingdom	-	-	-	-	-	-	-	41	41	-	1	1
Vietnam	-	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	0	-	0	0	-	3,353	5,010	54	110	163
Total	-	-	8	-	58	3	-	11,923	41,941	968	385	1,353
Persian Gulf ⁶	-	-	-	-	-	-	-	56	7,537	241	2	243

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	33,182	672	-	1,568	-	599	599	324	4,035	4,359
Algeria	-	-	-	796	-	-	-	-	1,524	1,524
Angola	1,834	-	-	-	-	-	-	-	633	633
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	523	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	13,606	-	-	309	-	-	-	-	579	579
Saudi Arabia	17,742	-	-	-	-	599	599	324	1,021	1,345
United Arab Emirates	-	-	-	462	-	-	-	-	278	278
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	76,399	6,497	1,843	14,433	-	21,734	21,734	37,860	52,483	90,343
Argentina	2,278	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	248	248
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	105	-	542	542	1,467	1,625	3,092
Brazil	-	-	-	-	-	2,513	2,513	30	3,189	3,219
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	5,142	-	-	-	-	-	-	-	-	-
Canada	38,085	5,469	1,843	130	-	3,108	3,108	23,023	6,284	29,307
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	1,497	-	-	336	-	108	108	-	1,149	1,149
Denmark	-	-	-	-	-	6	6	18	25	43
Ecuador	-	-	-	181	-	-	-	-	-	-
Egypt	1,019	-	-	-	-	250	250	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	83	-	-	-	63	1,741	1,804
France	-	-	-	-	-	2,832	2,832	1,036	35	1,071
Germany	-	-	-	167	-	67	67	73	508	581
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	60	-	333	333	60	12,479	12,539
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	97	97	278	2,644	2,922
Korea, South	-	-	-	-	-	-	-	-	350	350
Latvia	-	-	-	-	-	59	59	-	34	34
Lithuania	-	-	-	-	-	52	52	-	34	34
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	6,200	-	-	5,162	-	-	-	506	-	506
Netherlands	-	-	-	-	-	2,777	2,777	4,570	5,492	10,062
Norway	1,856	794	-	-	-	211	211	11	2,176	2,187
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	425	-	3,787	3,787	980	1,037	2,017
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	10,137	-	-	4,624	-	1,542	1,542	507	5,245	5,752
Spain	-	-	-	622	-	1,480	1,480	217	2,813	3,030
Sweden	-	-	-	503	-	646	646	31	521	552
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	523	-	-	-	-	-	-	-	-	-
United Kingdom	2,738	-	-	1,622	-	667	667	4,990	3,458	8,448
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	6,924	234	0	413	-	657	657	0	1,396	1,396
Total	109,581	7,169	1,843	16,001	-	22,333	22,333	38,184	56,518	94,702
Persian Gulf³	17,742	149	-	462	-	599	599	324	1,299	1,623

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	101	-	-	-	101
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	101	-	-	-	101
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	1,386	-	-	33,049	1,072	263	-	34,384
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	159	-	-	-	159
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	732	-	-	24,293	291	-	-	24,584
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	3,666	-	-	-	3,666
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	633	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	1,132	781	-	-	1,913
Indonesia	--	--	-	-	-	-	417	-	-	-	417
Italy	--	--	-	-	-	-	303	-	-	-	303
Korea, South	--	--	-	21	-	-	911	-	-	-	911
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	263	-	263
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	744	-	-	-	744
Russia	--	--	-	-	-	-	784	-	-	-	784
Spain	--	--	-	-	-	-	640	-	-	-	640
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	0	0	-	0
Total	--	--	-	1,386	-	-	33,150	1,072	263	-	34,485
Persian Gulf³	--	--	-	-	-	-	845	-	-	-	845

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	1,769	—	11	266	—	277
Algeria	—	—	—	—	—	11	210	—	221
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	4	—	4
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	42	—	—	—	—	—
Kuwait	—	—	—	887	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	52	—	52
Saudi Arabia	—	—	—	840	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	36	—	8,804	11	1,094	5,333	5,293	11,720
Argentina	—	—	—	—	—	314	294	—	608
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	174	41	215
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	104	—	104
Brazil	—	—	—	—	—	35	124	37	196
Brunei	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	8	—	1,678	11	683	406	2,410	3,499
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	107	—	6	33	440	479
Denmark	—	—	—	—	—	—	471	—	471
Ecuador	—	—	—	15	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	149	—	149
France	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	139	—	139
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	2,699	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	264	—	—	36	—	36
Korea, South	—	—	—	2,001	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	83	83
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	79	—	35	—	1,361	1,396
Netherlands	—	28	—	—	—	—	854	425	1,279
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	495	—	495
Qatar	—	—	—	992	—	—	—	—	—
Russia	—	—	—	—	—	18	220	145	383
Spain	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	—	—	—	797	—	797
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	100	—	—	—	—	—
United Kingdom	—	—	—	284	—	—	692	—	692
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	585	0	3	345	351	699
Total	—	36	—	10,573	11	1,105	5,599	5,293	11,997
Persian Gulf[§]	—	—	—	2,761	—	—	—	—	—

See footnotes at end of table.

Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	122	—	9,467	42,649	136	39	175
Algeria	—	—	—	—	—	—	—	2,541	2,541	—	10	10
Angola	—	—	—	—	—	—	—	633	2,467	8	3	10
Congo (Brazzaville)	—	—	—	—	—	—	—	4	4	—	0	0
Equatorial Guinea	—	—	—	—	—	—	—	523	523	—	2	2
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	42	42	—	0	0
Kuwait	—	—	—	—	—	—	—	887	887	—	4	4
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	940	14,546	56	4	60
Saudi Arabia	—	—	—	—	—	—	—	2,885	20,627	73	12	85
United Arab Emirates	—	—	—	—	—	122	—	1,011	1,011	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	870	7	576	18	7,154	910	—	200,726	277,125	313	823	1,136
Argentina	—	—	—	—	—	1	—	609	2,887	9	2	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	622	622	—	3	3
Bahrain	—	—	—	—	—	23	—	23	23	—	0	0
Belgium	8	—	—	—	—	76	—	3,927	3,927	—	16	16
Brazil	—	—	—	1	—	—	—	5,929	5,929	—	24	24
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	5,142	21	—	21
Canada	—	7	399	2	5,530	593	—	76,900	114,985	156	315	471
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	72	—	—	—	—	72	72	—	0	0
Colombia	—	—	—	—	261	—	—	6,106	7,603	6	25	31
Denmark	—	—	—	—	—	—	—	520	520	—	2	2
Ecuador	—	—	—	—	—	—	—	196	196	—	1	1
Egypt	—	—	—	—	—	—	—	250	1,269	4	1	5
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	2,036	2,036	—	8	8
France	3	—	—	—	—	34	—	3,940	3,940	—	16	16
Germany	—	—	15	—	—	72	—	1,674	1,674	—	7	7
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	17,544	17,544	—	72	72
Indonesia	—	—	—	—	—	—	—	417	417	—	2	2
Italy	—	—	—	—	141	9	—	3,772	3,772	—	15	15
Korea, South	—	—	6	—	—	68	—	3,357	3,357	—	14	14
Latvia	—	—	—	—	—	—	—	93	93	—	0	0
Lithuania	—	—	—	—	—	—	—	169	169	—	1	1
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	7,143	13,343	25	29	55
Netherlands	846	—	—	—	—	8	—	15,263	15,263	—	63	63
Norway	1	—	—	—	—	—	—	3,193	5,049	8	13	21
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	6,724	6,724	—	28	28
Qatar	—	—	—	—	—	—	—	1,736	1,736	—	7	7
Russia	—	—	—	—	—	23	—	13,108	23,245	42	54	95
Spain	—	—	10	—	379	—	—	6,161	6,161	—	25	25
Sweden	—	—	—	12	—	2	—	2,512	2,512	—	10	10
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	100	623	2	0	3
United Kingdom	12	—	—	—	—	—	—	11,959	14,697	11	49	60
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	74	3	843	1	—	4,671	11,595	29	21	48
Total	870	7	576	18	7,154	1,032	—	210,193	319,774	449	861	1,311
Persian Gulf³	—	—	—	—	—	145	—	6,584	24,326	73	27	100

— = Not Applicable.

1 = No Data Reported.

2 Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

3 Includes crude oil imported for storage in the Strategic Petroleum Reserve.

4 Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	590,715	11,658	1,637	168	-	37	37	-	2,091	2,091
Argentina	-	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	589,738	11,658	1,637	168	-	37	37	-	2,091	2,091
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	500	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-	-
Mexico	477	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	0	0	0	0	-	0	0	-	0	0
Total	590,715	11,658	1,637	168	-	37	37	-	2,091	2,091
Persian Gulf³	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	807	-	-	1,660	-	91	-	1,751
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	807	-	-	1,576	-	91	-	1,667
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	84	-	0	-	84
Total	--	--	-	807	-	-	1,660	-	91	-	1,751
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	29	-	-	56	-	371	375	746
Argentina	-	-	-	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Bahamas	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-
Canada	-	29	-	-	56	-	371	375	746
Chad	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	-	-	-	-	-	-
Denmark	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Egypt	-	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Guatemala	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-
Korea, South	-	-	-	-	-	-	-	-	-
Latvia	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Russia	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Syria	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-
Other	-	0	-	-	0	-	0	0	0
Total	-	29	-	-	56	-	371	375	746
Persian Gulf⁶	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	—	—	—	—	—	—	—	—	—	—	—	—
Algeria	—	—	—	—	—	—	—	—	—	—	—	—
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	678	575	103	195	3,265	954	—	24,750	615,465	2,421	101	2,522
Argentina	—	—	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	2	—	2	2	—	0	0
Brazil	—	—	—	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	678	575	71	192	3,265	934	—	24,611	614,349	2,417	101	2,518
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	18	—	—	—	—	18	18	—	0	0
Colombia	—	—	—	—	—	—	—	—	500	2	—	2
Denmark	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	12	—	12	12	—	0	0
France	—	—	—	—	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	2	—	2	2	—	0	0
Guatemala	—	—	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	—	—	—	—	—	—	—
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	—	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	—	—	—	—	477	2	—	2
Netherlands	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—	—	—	—	—
Sweden	—	—	—	3	—	3	—	6	6	—	0	0
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	0	0	14	0	0	1	—	99	99	0	0	0
Total	678	575	103	195	3,265	954	—	24,750	615,465	2,421	101	2,522
Persian Gulf³	—	—	—	—	—	—	—	—	—	—	—	—

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	112,571	-	-	1,924	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	15,659	-	-	-	-	-	-	-	-	-
Kuwait	2,090	-	-	717	-	-	-	-	-	-
Libya	-	-	-	1	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	94,822	-	-	1,206	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	356,543	35	131	109,132	-	189	189	-	10,646	10,646
Argentina	1,426	-	-	-	-	89	89	-	167	167
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Bahamas	1,007	-	-	-	-	-	-	-	-	-
Bahrain	-	-	-	-	-	-	-	-	-	-
Belgium	-	-	-	3,116	-	-	-	-	221	221
Brazil	10,053	-	-	23	-	-	-	-	2,523	2,523
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-
Canada	114,671	-	-	647	-	-	-	-	-	-
Chad	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-
Colombia	51,290	-	-	1,500	-	-	-	-	-	-
Denmark	-	-	-	3	-	-	-	-	-	-
Ecuador	6,133	-	-	2,249	-	-	-	-	-	-
Egypt	-	-	-	4,541	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	52	-	14	14	-	341	341
France	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	245	-	-	-	-	55	55
Guatemala	944	-	-	-	-	-	-	-	-	-
India	-	-	-	-	-	-	-	-	2,410	2,410
Indonesia	-	-	-	-	-	-	-	-	-	-
Italy	346	-	-	1,560	-	-	-	-	1,049	1,049
Korea, South	-	-	-	-	-	-	-	-	309	309
Latvia	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	324	324
Malaysia	-	-	-	490	-	-	-	-	-	-
Mexico	157,649	-	131	2,317	-	-	-	-	839	839
Netherlands	-	-	-	1,356	-	-	-	-	193	193
Norway	-	-	-	453	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-	88	88
Qatar	-	-	-	-	-	-	-	-	-	-
Russia	2,400	-	-	85,812	-	55	55	-	393	393
Spain	-	-	-	234	-	-	-	-	600	600
Sweden	-	-	-	718	-	-	-	-	255	255
Syria	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	5,440	-	-	-	-	-	-	-	-	-
United Kingdom	2,210	-	-	927	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	2,974	35	0	2,889	-	31	31	-	879	879
Total	469,114	35	131	111,056	-	189	189	-	10,646	10,646
Persian Gulf³	112,571	-	-	1,923	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	270	-	-	38	-	-	-	38
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Bahamas	--	--	-	-	-	-	-	-	-	-	-
Bahrain	--	--	-	-	-	-	-	-	-	-	-
Belgium	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	-	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	-	-	-	36	-	-	-	36
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Denmark	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Egypt	--	--	-	-	-	-	-	-	-	-	-
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	71	-	-	-	-	-	-	-
Guatemala	--	--	-	-	-	-	-	-	-	-	-
India	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Italy	--	--	-	-	-	-	-	-	-	-	-
Korea, South	--	--	-	-	-	-	-	-	-	-	-
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	2	-	-	-	2
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Portugal	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	199	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Syria	--	--	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	270	-	-	38	-	-	-	38
Persian Gulf³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
OPEC	—	—	—	50	211	—	16	962	978
Algeria	—	—	—	—	—	—	16	—	16
Angola	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—
Libya	—	—	—	—	—	—	—	—	—
Nigeria	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	50	211	—	—	653	653
United Arab Emirates	—	—	—	—	—	—	—	309	309
Venezuela	—	—	—	—	—	—	—	—	—
Non-OPEC	—	96	—	1,588	3,167	393	2,298	21,043	23,734
Argentina	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	950
Bahrain	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	2	411	413
Brazil	—	—	—	—	343	—	1,036	438	1,474
Brunei	—	—	—	314	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	324	—	—	341	341
Chad	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—
Colombia	—	—	—	—	—	—	17	4	21
Denmark	—	—	—	—	—	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	1,451	1,451
Estonia	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	—
France	—	—	—	—	34	—	—	—	—
Germany	—	—	—	—	58	—	—	—	—
Guatemala	—	—	—	—	—	—	—	—	—
India	—	—	—	—	140	—	—	—	—
Indonesia	—	—	—	—	—	—	—	—	—
Italy	—	—	—	215	—	—	—	—	—
Korea, South	—	—	—	960	1,609	—	—	—	—
Latvia	—	—	—	—	—	—	—	76	76
Lithuania	—	—	—	—	—	—	—	318	318
Malaysia	—	—	—	—	—	—	—	—	—
Mexico	—	—	—	—	67	393	6	9,566	9,965
Netherlands	—	96	—	—	4	—	—	—	—
Norway	—	—	—	—	—	—	—	—	—
Oman	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—	—
Qatar	—	—	—	—	—	—	—	—	—
Russia	—	—	—	—	—	—	742	6,445	7,187
Spain	—	—	—	—	26	—	—	—	—
Sweden	—	—	—	—	—	—	—	—	—
Syria	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	—
United Kingdom	—	—	—	—	29	—	—	—	—
Vietnam	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—
Other	—	0	—	99	533	0	495	1,043	1,538
Total	—	96	—	1,638	3,378	393	2,314	22,005	24,712
Persian Gulf⁶	—	—	—	50	211	—	—	962	962

See footnotes at end of table.

Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
OPEC	77	—	3	—	—	775	—	4,018	116,589	461	16	478
Algeria	—	—	—	—	—	—	—	16	16	—	0	0
Angola	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	—	15,659	64	—	64
Kuwait	—	—	—	—	—	—	—	717	2,807	9	3	12
Libya	—	—	—	—	—	—	—	1	1	—	0	0
Nigeria	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	77	—	3	—	—	—	—	2,200	97,022	389	9	398
United Arab Emirates	—	—	—	—	—	775	—	1,084	1,084	—	4	4
Venezuela	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC	2,451	261	255	2,118	98	5,370	—	159,633	516,176	1,461	654	2,115
Argentina	—	78	—	1,112	—	11	—	1,457	2,883	6	6	12
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	950	1,957	4	4	8
Bahrain	—	—	—	—	—	264	—	264	264	—	1	1
Belgium	—	—	—	—	—	61	—	3,812	3,812	—	16	16
Brazil	—	26	—	440	—	—	—	4,864	14,917	41	20	61
Brunei	—	—	—	—	—	—	—	314	314	—	1	1
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	—	—	—	—	33	12	—	1,393	116,064	470	6	476
Chad	—	—	—	—	—	—	—	—	—	—	—	—
China	—	—	41	—	—	—	—	41	41	—	0	0
Colombia	—	—	—	—	—	—	—	1,521	52,811	210	6	216
Denmark	—	—	—	—	—	—	—	3	3	—	0	0
Ecuador	—	—	—	—	—	—	—	2,249	8,382	25	9	34
Egypt	—	—	—	—	—	—	—	5,992	5,992	—	25	25
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	8	—	415	415	—	2	2
France	—	157	10	—	—	19	—	220	220	—	1	1
Germany	—	—	—	228	—	18	—	675	675	—	3	3
Guatemala	—	—	—	—	—	—	—	—	944	4	—	4
India	—	—	—	—	—	—	—	2,550	2,550	—	10	10
Indonesia	—	—	—	—	—	639	—	639	639	—	3	3
Italy	—	—	48	—	—	148	—	3,020	3,366	1	12	14
Korea, South	85	—	—	—	—	1,975	—	4,938	4,938	—	20	20
Latvia	—	—	—	—	—	—	—	76	76	—	0	0
Lithuania	—	—	—	—	—	—	—	642	642	—	3	3
Malaysia	—	—	14	—	—	—	—	504	504	—	2	2
Mexico	1,506	—	—	—	—	—	—	14,827	172,476	646	61	707
Netherlands	—	—	—	130	—	336	—	2,152	2,152	—	9	9
Norway	—	—	—	—	—	—	—	453	453	—	2	2
Oman	—	—	—	200	—	—	—	200	200	—	1	1
Portugal	—	—	—	—	—	19	—	107	107	—	0	0
Qatar	—	—	—	—	—	1,706	—	1,706	1,706	—	7	7
Russia	—	—	—	—	—	—	—	93,447	95,847	10	383	393
Spain	—	—	—	—	—	38	—	1,097	1,097	—	4	4
Sweden	—	—	—	—	—	—	—	973	973	—	4	4
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	—	5,440	22	—	22
United Kingdom	62	—	77	8	—	113	—	1,216	3,426	9	5	14
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	798	0	65	0	65	3	—	6,916	9,890	13	28	40
Total	2,528	261	258	2,118	98	6,145	—	163,651	632,765	1,923	671	2,593
Persian Gulf⁶	77	—	3	—	—	2,745	—	5,971	118,542	461	24	486

— = Not Applicable.

— = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels)

Country of Origin	Crude Oil ^{1,2}	Natural Gas Liquids	Refinery Olefins	Unfinished Oils ¹	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
	PAD District 4									
OPEC	-	-	-	-	-	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	75,083	2,678	-	-	-	26	26	-	593	593
Canada	75,083	2,678	-	-	-	26	26	-	593	593
Ecuador	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Other	0	0	-	-	-	0	0	-	0	0
Total	75,083	2,678	-	-	-	26	26	-	593	593
	PAD District 5									
OPEC	90,255	-	-	14	-	-	-	-	-	-
Algeria	-	-	-	13	-	-	-	-	-	-
Angola	3,844	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	36,920	-	-	-	-	-	-	-	-	-
Kuwait	3,413	-	-	-	-	-	-	-	-	-
Libya	3,115	-	-	-	-	-	-	-	-	-
Nigeria	2,865	-	-	-	-	-	-	-	-	-
Saudi Arabia	39,100	-	-	1	-	-	-	-	-	-
United Arab Emirates	998	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-
Non-OPEC	145,847	9,585	61	10,571	-	3,867	3,867	1,120	4,274	5,394
Argentina	5,839	-	-	87	-	-	-	-	-	-
Aruba	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-
Brazil	6,386	-	-	-	-	57	57	-	59	59
Brunei	4,445	-	-	-	-	-	-	-	-	-
Canada	59,244	9,418	61	150	-	803	803	-	123	123
China	-	-	-	-	-	-	-	-	-	-
Colombia	11,749	-	-	930	-	-	-	-	-	-
Ecuador	34,195	-	-	170	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	55	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-	-
Japan	-	-	-	286	-	-	-	-	604	604
Korea, South	-	-	-	-	-	1,317	1,317	318	1,754	2,072
Malaysia	-	-	-	669	-	-	-	-	32	32
Mexico	7,255	-	-	302	-	-	-	-	-	-
Netherlands	-	-	-	-	-	319	319	639	-	639
Oman	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-
Peru	1,720	-	-	172	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	142	-	315	315	-	-	-
Sweden	-	-	-	-	-	65	65	-	-	-
Taiwan	-	-	-	-	-	-	-	-	363	363
United Kingdom	802	-	-	-	-	199	199	-	283	283
Vietnam	614	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-
Other	13,598	167	0	7,608	-	792	792	163	1,056	1,219
Total	236,102	9,907	61	10,585	-	3,867	3,867	1,120	4,274	5,394
Persian Gulf ³	80,431	-	-	1	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-	300	-	-	1,137	-	-	-	1,137
Canada	--	--	-	300	-	-	1,137	-	-	-	1,137
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-	0	-	-	0	-	-	-	0
Total	--	--	-	300	-	-	1,137	-	-	-	1,137
	PAD District 5										
OPEC	--	--	-	-	-	-	-	-	-	-	-
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	-	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-	-	-	-	-	-	-	-	-
Saudi Arabia	--	--	-	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	-	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	1,789	320	4,005	-	4,205	-	7	-	4,212
Argentina	--	--	-	-	-	-	-	-	-	-	-
Aruba	--	--	-	-	-	-	-	-	-	-	-
Australia	--	--	-	-	-	-	-	-	-	-	-
Brazil	--	--	1,789	-	-	-	-	-	-	-	-
Brunei	--	--	-	-	-	-	-	-	-	-	-
Canada	--	--	-	39	-	-	3,382	-	7	-	3,389
China	--	--	-	-	-	-	-	-	-	-	-
Colombia	--	--	-	-	-	-	-	-	-	-	-
Ecuador	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
Germany	--	--	-	-	-	-	-	-	-	-	-
Indonesia	--	--	-	-	-	-	-	-	-	-	-
Japan	--	--	-	-	-	-	190	-	-	-	190
Korea, South	--	--	-	281	-	-	633	-	-	-	633
Malaysia	--	--	-	-	-	-	-	-	-	-	-
Mexico	--	--	-	-	-	-	-	-	-	-	-
Netherlands	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Papua New Guinea	--	--	-	-	-	-	-	-	-	-	-
Peru	--	--	-	-	-	-	-	-	-	-	-
Qatar	--	--	-	-	-	-	-	-	-	-	-
Singapore	--	--	-	-	-	-	-	-	-	-	-
Sweden	--	--	-	-	-	-	-	-	-	-	-
Taiwan	--	--	-	-	-	-	-	-	-	-	-
United Kingdom	--	--	-	-	-	-	-	-	-	-	-
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	0	0	4,005	-	0	-	0	-	0
Total	--	--	1,789	320	4,005	-	4,205	-	7	-	4,212
Persian Gulf ³	--	--	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	Kerosene	Finished Aviation Gasoline							
	PAD District 4								
OPEC	-	-	-	49	-	-	-	-	-
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	115	-	-	-	-	-
Canada	-	-	-	110	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Other	-	-	-	5	-	-	-	-	-
Total	-	-	-	164	-	-	-	-	-
	PAD District 5								
OPEC	-	-	-	-	-	-	-	3	3
Algeria	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	3	3
United Arab Emirates	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-
Non-OPEC	40	10	-	24,193	-	-	656	2,174	2,830
Argentina	-	-	-	-	-	-	223	-	223
Aruba	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	-	-
Brunei	-	-	-	1,077	-	-	-	-	-
Canada	20	10	-	207	-	-	433	820	1,253
China	-	-	-	312	-	-	-	1	1
Colombia	-	-	-	-	-	-	-	-	-
Ecuador	-	-	-	-	-	-	-	763	763
Finland	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	-	-
Japan	-	-	-	4,720	-	-	-	-	-
Korea, South	20	-	-	14,870	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-	-
Mexico	-	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	1,624	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-	-
United Kingdom	-	-	-	-	-	-	-	-	-
Vietnam	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-
Other	0	0	-	1,383	-	-	0	590	590
Total	40	10	-	24,193	-	-	656	2,177	2,833
Persian Gulf ³	-	-	-	-	-	-	-	3	3

See footnotes at end of table.

Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-August 2020
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks								Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC	-	-	-	-	-	-	-	49	49	-	0	0
Algeria	-	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates	-	-	-	-	-	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	-	-	-	-	236	-	8	5,093	80,176	308	21	329
Canada	-	-	-	-	236	-	8	5,088	80,171	308	21	329
Ecuador	-	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	-	-	-	-	-	-	-	-	-	-
Other	-	-	-	-	0	-	0	5	5	0	0	0
Total	-	-	-	-	236	-	8	5,142	80,225	308	21	329
	PAD District 5											
OPEC	-	-	-	-	-	-	-	339	90,594	370	1	371
Algeria	-	-	-	-	-	-	-	13	13	-	0	0
Angola	-	-	-	-	-	-	-	-	3,844	16	-	16
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	36,920	151	-	151
Kuwait	-	-	-	-	-	-	-	-	3,413	14	-	14
Libya	-	-	-	-	-	-	-	-	3,115	13	-	13
Nigeria	-	-	-	-	-	-	-	-	2,865	12	-	12
Saudi Arabia	-	-	-	-	-	-	-	4	39,104	160	0	160
United Arab Emirates	-	-	-	-	-	-	-	56	1,054	4	0	4
Venezuela	-	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC	199	-	210	119	625	164	-	68,194	214,041	598	279	877
Argentina	-	-	-	-	-	-	-	310	6,149	24	1	25
Aruba	-	-	-	-	-	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-	-	-	-	-
Brazil	-	-	-	-	-	-	-	1,905	8,291	26	8	34
Brunei	-	-	-	-	-	-	-	1,077	5,522	18	4	23
Canada	-	-	-	119	625	50	-	16,267	75,511	243	67	309
China	-	-	109	-	-	-	-	422	422	-	2	2
Colombia	-	-	-	-	-	-	-	930	12,679	48	4	52
Ecuador	-	-	-	-	-	-	-	933	35,128	140	4	144
Finland	-	-	-	-	-	-	-	-	-	-	-	-
Germany	-	-	-	-	-	-	-	55	55	-	0	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
Japan	-	-	24	-	-	-	-	5,824	5,824	-	24	24
Korea, South	-	-	-	-	-	68	-	19,261	19,261	-	79	79
Malaysia	-	-	1	-	-	-	-	702	702	-	3	3
Mexico	-	-	-	-	-	-	-	302	7,557	30	1	31
Netherlands	73	-	-	-	-	-	-	1,031	1,031	-	4	4
Oman	-	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	-	-
Peru	-	-	-	-	-	-	-	172	1,892	7	1	8
Qatar	-	-	-	-	-	46	-	46	46	-	0	0
Singapore	-	-	-	-	-	-	-	6,086	6,086	-	25	25
Sweden	-	-	-	-	-	-	-	65	65	-	0	0
Taiwan	126	-	76	-	-	-	-	565	565	-	2	2
United Kingdom	-	-	-	-	-	-	-	482	1,284	3	2	5
Vietnam	-	-	-	-	-	-	-	-	614	3	-	3
Virgin Islands, U.S.	-	-	-	-	-	-	-	-	-	-	-	-
Other	0	-	0	0	0	0	-	11,759	25,357	56	48	104
Total	199	-	210	119	625	164	-	68,533	304,635	968	281	1,249
Persian Gulf ³	-	-	-	-	-	46	-	106	80,537	330	0	330

-- = Not Applicable.

- = No Data Reported.

¹ Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

² Includes crude oil imported for storage in the Strategic Petroleum Reserve.

³ Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

Table 49. Exports of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	390	4,790	95,765	—	1,300	102,245	3,298
Hydrocarbon Gas Liquids	8,878	7,090	44,237	107	1,562	61,875	1,996
Natural Gas Liquids	8,878	7,090	44,237	107	1,562	61,875	1,996
Ethane	1,741	3,098	5,139	—	0	9,978	322
Propane	5,282	163	29,185	—	677	35,307	1,139
Normal Butane	1,747	300	9,842	53	879	12,821	414
Isobutane	—	1	1	—	0	2	0
Natural Gasoline	109	3,529	70	54	5	3,767	122
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	116	1,924	9,347	49	413	11,850	382
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	87	1,043	1,498	49	256	2,932	95
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	87	1,043	1,498	49	256	2,932	95
Fuel Ethanol	83	691	1,441	49	146	2,409	78
Biodiesel	4	353	58	—	110	524	17
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	21	774	6,116	0	33	6,943	224
Naphthas and Lighter	10	767	5,870	0	17	6,664	215
Kerosene and Light Gas Oils	12	7	245	—	16	279	9
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	8	108	1,734	—	125	1,974	64
Reformulated	4	—	9	—	3	16	1
Conventional	5	108	1,725	—	122	1,959	63
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	2,704	1,679	76,597	19	6,466	87,464	2,821
Finished Motor Gasoline	309	314	22,209	1	864	23,698	764
Reformulated	—	—	—	—	—	—	—
Conventional	309	314	22,209	1	864	23,698	764
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	3	17	657	—	267	943	30
Kerosene	1	2	56	—	70	129	4
Distillate Fuel Oil	591	203	38,336	0	2,326	41,455	1,337
15 ppm sulfur and under	107	2	34,238	0	1,523	35,870	1,157
Greater than 15 ppm to 500 ppm sulfur	483	12	2,914	—	139	3,549	114
Greater than 500 ppm sulfur	1	188	1,184	—	663	2,036	66
Residual Fuel Oil	928	278	2,287	2	388	3,883	125
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	226	229	2,646	10	339	3,450	111
Waxes	69	22	49	0	5	144	5
Petroleum Coke	513	515	9,434	—	2,157	12,619	407
Asphalt and Road Oil	49	96	904	5	49	1,102	36
Miscellaneous Products	15	5	19	—	0	40	1
Total	12,088	15,483	225,946	174	9,741	263,433	8,498

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-August 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
Crude Oil¹	6,405	37,210	733,801	214	10,130	787,760	3,229
Hydrocarbon Gas Liquids	63,570	75,239	349,238	792	12,678	501,517	2,055
Natural Gas Liquids	63,570	75,239	349,238	792	12,678	501,517	2,055
Ethane	13,208	22,837	33,769	—	0	69,814	286
Propane	35,456	1,620	250,650	2	8,110	294,775	1,208
Normal Butane	14,105	1,726	64,863	406	4,517	85,268	349
Isobutane	6	6	760	—	4	773	3
Natural Gasoline	852	49,064	487	386	98	50,887	209
Refinery Olefins	—	—	—	—	—	—	—
Ethylene	—	—	—	—	—	—	—
Propylene	—	—	—	—	—	—	—
Normal Butylene	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—
Other Liquids	1,959	18,442	77,867	255	5,571	104,093	427
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons	1,134	5,672	15,455	252	1,897	24,410	100
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—
Other Oxygenates	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) ...	1,134	5,672	15,455	252	1,897	24,410	100
Fuel Ethanol	949	4,081	15,120	174	1,381	21,706	89
Biodiesel	185	1,590	335	78	516	2,704	11
Other Renewable Diesel	—	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	—	—	—	—	—	—
Unfinished Oils	289	11,804	49,861	2	2,006	63,962	262
Naphthas and Lighter	158	11,771	48,486	0	1,881	62,297	255
Kerosene and Light Gas Oils	131	33	1,375	2	124	1,665	7
Heavy Gas Oils	—	—	—	—	—	—	—
Residuum	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC)	536	966	12,551	0	1,669	15,722	64
Reformulated	13	1	531	—	16	560	2
Conventional	523	966	12,020	0	1,653	15,162	62
Aviation Gasoline Blend. Comp.	—	—	—	—	—	—	—
Finished Petroleum Products	21,963	8,650	597,199	156	70,762	698,730	2,864
Finished Motor Gasoline	1,237	1,572	147,934	6	13,203	163,953	672
Reformulated	—	—	—	—	—	—	—
Conventional	1,237	1,572	147,934	6	13,203	163,953	672
Finished Aviation Gasoline	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel	1,783	775	20,895	—	3,651	27,103	111
Kerosene	153	7	174	—	186	520	2
Distillate Fuel Oil	8,569	1,033	271,801	0	22,353	303,756	1,245
15 ppm sulfur and under	5,814	5	228,106	0	17,873	251,797	1,032
Greater than 15 ppm to 500 ppm sulfur	2,078	129	23,303	—	1,341	26,850	110
Greater than 500 ppm sulfur	677	899	20,393	—	3,140	25,109	103
Residual Fuel Oil	2,427	1,395	28,756	51	5,452	38,080	156
Naphtha for Petro. Feed. Use	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	—	—	—
Lubricants	1,454	1,417	17,066	72	2,559	22,568	92
Waxes	506	204	294	1	38	1,043	4
Petroleum Coke	5,275	1,651	105,720	0	22,978	135,624	556
Asphalt and Road Oil	445	570	4,364	24	340	5,743	24
Miscellaneous Products	115	27	194	1	2	338	1
Total	93,897	139,540	1,758,105	1,417	99,142	2,092,100	8,574

— = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2020
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina	—	—	—	7	—	—	—	—	—	—
Australia	—	1	—	5	—	0	0	0	—	0
Bahamas	723	22	—	0	—	48	48	0	—	0
Bahrain	—	—	—	—	—	2	2	—	—	—
Belgium	—	240	—	3	—	—	—	—	—	—
Belize	—	28	—	—	—	42	42	—	—	—
Brazil	900	1,702	—	1,641	—	2,189	2,189	—	—	—
Canada	9,774	7,415	—	784	—	670	670	—	874	874
Cayman Islands	—	—	—	—	—	—	—	0	—	0
Chile	—	1,053	—	2	—	—	—	—	—	—
China	17,688	7,202	—	9	—	6	6	—	—	—
Colombia	—	22	—	1,532	—	743	743	—	—	—
Costa Rica	—	180	—	4	—	308	308	—	—	—
Denmark	1,390	—	—	0	—	—	—	—	—	—
Dominican Republic	1,007	652	—	0	—	335	335	—	—	—
Ecuador	—	1,062	—	0	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—	—
El Salvador	—	390	—	3	—	312	312	—	—	—
Finland	—	603	—	—	—	—	—	—	—	—
France	2,929	589	—	16	—	—	—	—	—	—
Germany	5,705	111	—	2	—	1	1	—	—	—
Ghana	—	—	—	0	—	—	—	—	—	—
Gibraltar	—	766	—	—	—	—	—	—	—	—
Greece	—	0	—	—	—	—	—	—	—	—
Guatemala	—	412	—	4	—	1,113	1,113	—	—	—
Honduras	—	250	—	1	—	347	347	—	—	—
Hong Kong	—	—	—	0	—	—	—	—	—	—
India	4,195	3,670	—	32	—	—	—	—	—	—
Indonesia	—	3,228	—	—	—	—	—	—	—	—
Ireland	636	—	—	—	—	—	—	—	—	—
Israel	744	—	—	30	—	—	—	—	—	—
Italy	5,666	252	—	—	—	—	—	—	—	—
Jamaica	—	51	—	—	—	33	33	—	50	50
Japan	—	10,701	—	183	—	0	0	0	—	0
Korea, South	9,901	3,599	—	807	—	2	2	3	2	5
Lebanon	—	—	—	—	—	—	—	—	—	—
Mexico	—	5,116	—	106	—	15,367	15,367	8	976	984
Montenegro	—	—	—	—	—	—	—	—	—	—
Morocco	—	501	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—	—	—
Netherlands	10,585	799	—	667	—	—	—	—	—	—
New Zealand	—	0	—	—	—	—	—	—	—	—
Nicaragua	129	—	—	100	—	—	—	—	—	—
Nigeria	—	379	—	—	—	—	—	—	—	—
Norway	—	787	—	89	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—	—	—
Panama	—	68	—	2	—	264	264	—	11	11
Peru	735	—	—	130	—	961	961	—	28	28
Philippines	—	0	—	—	—	—	—	—	—	—
Portugal	599	815	—	—	—	—	—	—	—	—
Puerto Rico	—	42	—	5	—	2	2	0	3	4
Romania	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	0	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	3,153	1,077	—	147	—	70	70	—	15	15
South Africa	—	718	—	0	—	281	281	—	—	—
Spain	2,866	1,158	—	8	—	—	—	—	—	—
Switzerland	—	545	—	—	—	—	—	—	—	—
Taiwan	6,951	—	—	0	—	—	—	—	—	—
Thailand	2,096	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	0	—	0	0	—	—	—
Turkey	—	907	—	—	—	—	—	—	—	—
United Arab Emirates	762	—	—	0	—	0	0	—	—	—
United Kingdom	8,000	3,129	—	0	—	0	0	—	—	—
Venezuela	—	0	—	—	—	2	2	3	0	3
Other	5,111	1,633	—	624	—	600	600	2	—	—
Total	102,245	61,875	—	6,943	—	23,698	23,698	16	1,959	1,974

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2020
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	—	—	—	—	436	—	—	—	436
Australia	---	---	1	—	—	—	—	—	—	—	—
Bahamas	---	---	0	—	—	—	476	80	145	—	701
Bahrain	---	---	0	—	—	—	—	—	—	—	—
Belgium	---	---	1	—	—	—	107	—	—	—	107
Belize	---	---	0	—	—	—	—	35	—	—	35
Brazil	---	---	45	—	—	—	7,009	170	—	—	7,179
Canada	---	---	857	501	—	—	2	482	232	—	716
Cayman Islands	---	---	—	—	—	—	112	—	—	—	112
Chile	---	---	1	—	—	—	3,004	—	300	—	3,303
China	---	---	0	—	—	—	2	—	—	—	2
Colombia	---	---	205	—	—	—	186	—	—	—	186
Costa Rica	---	---	0	—	—	—	563	—	—	—	563
Denmark	---	---	—	—	—	—	—	—	—	—	—
Dominican Republic	---	---	1	—	—	—	252	0	154	—	406
Ecuador	---	---	0	—	—	—	1,852	—	—	—	1,852
Egypt	---	---	—	—	—	—	—	—	—	—	—
El Salvador	---	---	—	—	—	—	1	176	—	—	176
Finland	---	---	—	—	—	—	—	—	—	—	—
France	---	---	34	—	—	—	614	—	—	—	614
Germany	---	---	—	2	—	—	210	—	—	—	210
Ghana	---	---	—	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	1,110	130	—	—	1,240
Greece	---	---	—	—	—	—	—	—	—	—	—
Guatemala	---	---	—	—	—	—	61	584	83	—	729
Honduras	---	---	—	—	—	—	667	112	98	—	877
Hong Kong	---	---	0	—	—	—	—	—	—	—	—
India	---	---	249	—	—	—	0	—	—	—	0
Indonesia	---	---	—	—	—	—	271	—	—	—	271
Ireland	---	---	0	—	—	—	—	—	—	—	—
Israel	---	---	3	—	—	—	—	—	—	—	—
Italy	---	---	—	—	—	—	0	—	—	—	0
Jamaica	---	---	83	—	—	—	190	—	—	—	190
Japan	---	---	1	—	—	—	0	—	—	—	0
Korea, South	---	---	141	—	—	—	4	—	—	—	4
Lebanon	---	---	—	—	—	—	—	—	—	—	—
Mexico	---	---	176	0	—	—	8,624	111	8	—	8,743
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	—	—	—	—	819	—	—	—	819
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	40	—	—	—	2,078	285	—	—	2,364
New Zealand	---	---	0	—	—	—	—	—	—	—	—
Nicaragua	---	---	—	—	—	—	—	—	152	—	152
Nigeria	---	---	233	—	—	—	0	—	—	—	0
Norway	---	---	—	—	—	—	—	—	—	—	—
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	0	—	—	—	758	508	507	—	1,773
Peru	---	---	133	21	—	—	2,329	—	—	—	2,329
Philippines	---	---	94	—	—	—	—	—	—	—	—
Portugal	---	---	—	—	—	—	—	—	—	—	—
Puerto Rico	---	---	3	—	—	—	0	—	—	—	0
Romania	---	---	—	—	—	—	—	—	—	—	—
Saudi Arabia	---	---	0	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	0	—	—	—	185	—	—	—	185
South Africa	---	---	0	—	—	—	—	—	—	—	—
Spain	---	---	—	—	—	—	—	297	—	—	297
Switzerland	---	---	53	—	—	—	—	—	—	—	—
Taiwan	---	---	0	—	—	—	—	—	—	—	—
Thailand	---	---	0	—	—	—	—	—	—	—	—
Trinidad and Tobago	---	---	0	—	—	—	40	—	241	—	281
Turkey	---	---	22	—	—	—	0	—	—	—	0
United Arab Emirates	---	---	0	—	—	—	—	—	—	—	—
United Kingdom	---	---	32	—	—	—	2,933	—	—	—	2,933
Venezuela	---	---	—	—	—	—	—	—	—	—	—
Other	---	---	1	—	—	—	975	579	116	—	1,670
Total	---	---	2,409	524	—	—	35,870	3,549	2,036	—	41,455

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2020
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	0	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—
Bahamas	—	—	—	1	—	764	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	—	—	—	—	—
Brazil	—	—	—	—	—	—	—	—
Canada	23	—	—	153	—	554	—	—
Cayman Islands	0	—	—	—	—	—	—	—
Chile	0	—	—	—	—	305	—	—
China	—	—	—	1	—	1	—	—
Colombia	—	—	—	—	—	—	—	—
Costa Rica	0	—	—	52	—	—	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	0	—	—	0	—	—	—	—
Ecuador	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	0	—	—
El Salvador	0	—	—	—	—	0	—	—
Finland	—	—	—	—	—	—	—	—
France	—	—	—	—	—	—	—	—
Germany	—	—	—	—	—	—	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	—	—	—
Guatemala	0	—	—	27	—	—	—	—
Honduras	0	—	—	11	—	—	—	—
Hong Kong	—	—	—	—	—	—	—	—
India	—	—	—	—	—	0	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	—	—	—	—	—	—	—	—
Israel	0	—	—	—	—	—	—	—
Italy	—	—	—	—	—	—	—	—
Jamaica	0	—	—	—	—	194	—	—
Japan	0	—	—	—	—	—	—	—
Korea, South	—	—	—	—	—	0	—	—
Lebanon	—	—	—	—	—	350	—	—
Mexico	104	—	—	517	—	561	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	—	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	—	—	—	—	—
New Zealand	—	—	—	—	—	0	—	—
Nicaragua	0	—	—	110	—	—	—	—
Nigeria	—	—	—	—	—	0	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	—	—	289	—	—
Peru	—	—	—	—	—	—	—	—
Philippines	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	—	—	—	0	—	—	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	—	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	—	—	25	—	653	—	—
South Africa	—	—	—	—	—	—	—	—
Spain	—	—	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—	—	—
Taiwan	—	—	—	—	—	2	—	—
Thailand	—	—	—	—	—	—	—	—
Trinidad and Tobago	0	—	—	—	—	—	—	—
Turkey	—	—	—	—	—	—	—	—
United Arab Emirates	0	—	—	—	—	—	—	—
United Kingdom	0	—	—	—	—	0	—	—
Venezuela	—	—	—	—	—	—	—	—
Other	2	—	—	46	—	210	—	—
Total	129	—	—	943	—	3,883	—	—

See footnotes at end of table.

Table 51. Exports of Crude Oil and Petroleum Products by Destination, August 2020
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	0	—	—	239	0	682	682	—	22	22
Australia	1	166	1	4	0	178	178	—	6	6
Bahamas	—	—	2	1	—	1,539	2,262	23	50	73
Bahrain	—	—	—	0	—	2	2	—	0	0
Belgium	0	1	172	363	1	888	888	—	29	29
Belize	—	—	—	1	—	106	106	—	3	3
Brazil	2	1,180	0	580	1	14,519	15,418	29	468	497
Canada	84	648	189	316	8	13,790	23,564	315	445	760
Cayman Islands	—	—	1	1	—	114	114	—	4	4
Chile	0	—	73	24	4	4,766	4,766	—	154	154
China	2	580	0	28	0	7,832	25,520	571	253	823
Colombia	0	—	0	50	1	2,739	2,739	—	88	88
Costa Rica	0	116	—	16	0	1,240	1,240	—	40	40
Denmark	0	110	—	0	—	110	1,500	45	4	48
Dominican Republic	0	—	—	15	0	1,410	2,417	32	45	78
Ecuador	0	0	—	11	—	2,925	2,925	—	94	94
Egypt	—	169	2	1	—	172	172	—	6	6
El Salvador	—	116	—	5	—	1,002	1,002	—	32	32
Finland	—	—	—	1	—	604	604	—	19	19
France	0	33	—	0	—	1,287	4,216	94	42	136
Germany	2	28	2	2	0	359	6,064	184	12	196
Ghana	—	—	—	0	—	0	0	—	0	0
Gibraltar	—	—	—	—	—	2,005	2,005	—	65	65
Greece	—	253	—	0	—	253	253	—	8	8
Guatemala	0	259	—	15	—	2,559	2,559	—	83	83
Honduras	0	272	—	6	0	1,765	1,765	—	57	57
Hong Kong	0	—	—	2	0	2	2	—	0	0
India	2	1,949	0	314	0	6,217	10,411	135	201	336
Indonesia	0	—	0	3	—	3,502	3,502	—	113	113
Ireland	—	—	—	0	—	0	636	21	0	21
Israel	—	0	—	38	0	71	815	24	2	26
Italy	0	257	—	0	—	510	6,176	183	16	199
Jamaica	0	—	191	11	0	803	803	—	26	26
Japan	0	1,186	0	4	3	12,078	12,078	—	390	390
Korea, South	0	—	0	4	0	4,561	14,462	319	147	467
Lebanon	—	—	—	0	—	350	350	—	11	11
Mexico	23	1,642	242	944	19	34,543	34,543	—	1,114	1,114
Montenegro	—	—	0	—	—	0	0	—	0	0
Morocco	—	662	—	—	—	1,981	1,981	—	64	64
Mozambique	—	85	—	—	—	85	85	—	3	3
Netherlands	18	340	1	2	0	4,231	14,816	341	136	478
New Zealand	0	—	—	0	—	1	1	—	0	0
Nicaragua	0	—	—	7	—	369	498	4	12	16
Nigeria	—	—	—	114	—	726	726	—	23	23
Norway	—	86	—	0	—	962	962	—	31	31
Pakistan	0	—	—	0	—	0	0	—	0	0
Panama	—	—	—	5	—	2,413	2,413	—	78	78
Peru	0	0	—	22	0	3,625	4,360	24	117	141
Philippines	0	274	—	1	0	369	369	—	12	12
Portugal	—	180	—	—	—	995	1,594	19	32	51
Puerto Rico	0	—	48	12	—	117	117	—	4	4
Romania	—	—	—	0	—	0	0	—	0	0
Saudi Arabia	0	1	173	3	—	177	177	—	6	6
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	—	0	—	55	—	2,227	5,380	102	72	174
South Africa	0	111	0	62	—	1,172	1,172	—	38	38
Spain	7	860	—	1	0	2,331	5,197	92	75	168
Switzerland	0	—	0	—	—	598	598	—	19	19
Taiwan	0	—	—	4	0	6	6,957	224	0	224
Thailand	—	303	—	2	0	305	2,401	68	10	77
Trinidad and Tobago	—	0	—	4	0	286	286	—	9	9
Turkey	0	426	0	2	—	1,358	1,358	—	44	44
United Arab Emirates	0	139	2	111	—	253	1,015	25	8	33
United Kingdom	1	33	0	1	—	6,129	14,129	258	198	456
Venezuela	—	—	—	3	—	9	9	—	0	0
Other	2	154	3	40	3	4,981	10,093	166	160	325
Total	144	12,619	1,102	3,450	40	161,189	263,433	3,298	5,200	8,498

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2020
(Thousand Barrels)

Destination	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven-tional	Total	Reform-ulated	Conven-tional	Total
Argentina	—	0	--	1,156	—	794	794	—	—	—
Australia	7,923	2,891	--	12	—	0	0	1	0	1
Bahamas	4,761	269	--	0	—	631	631	1	488	489
Bahrain	—	—	--	0	—	4	4	0	—	0
Belgium	1,715	3,290	--	899	—	1	1	—	—	—
Belize	—	90	--	—	—	226	226	—	—	—
Brazil	6,517	12,443	--	8,152	—	14,035	14,035	—	690	690
Canada	93,696	77,985	--	11,935	—	5,558	5,558	—	6,012	6,012
Cayman Islands	—	0	--	0	—	57	57	2	44	46
Chile	7,167	8,605	--	66	—	2,512	2,512	—	114	114
China	101,255	31,562	--	992	—	8	8	—	—	—
Colombia	3,333	306	--	8,996	—	4,345	4,345	—	317	317
Costa Rica	—	1,016	--	17	—	3,644	3,644	—	—	—
Denmark	10,446	—	--	60	—	—	—	—	0	0
Dominican Republic	3,012	7,915	--	2	—	1,904	1,904	0	96	96
Ecuador	—	8,128	--	39	—	2,096	2,096	0	1,372	1,372
Egypt	—	1,810	--	—	—	—	—	—	—	—
El Salvador	—	2,037	--	6	—	2,521	2,521	—	0	0
Finland	—	1,583	--	1	—	0	0	0	—	0
France	17,933	5,419	--	788	—	0	0	—	—	—
Germany	25,064	222	--	46	—	3	3	—	0	0
Ghana	—	374	--	0	—	0	0	—	—	—
Gibraltar	680	2,069	--	—	—	—	—	—	—	—
Greece	3,284	0	--	0	—	0	0	—	—	—
Guatemala	—	2,312	--	45	—	7,547	7,547	0	0	0
Honduras	—	3,338	--	5	—	2,759	2,759	1	0	1
Hong Kong	—	4	--	520	—	—	—	—	0	0
India	55,470	26,199	--	49	—	0	0	0	—	0
Indonesia	4,729	18,163	--	2	—	1,348	1,348	—	—	—
Ireland	9,660	—	--	0	—	—	—	—	—	—
Israel	3,847	2	--	42	—	9	9	—	0	0
Italy	36,035	617	--	68	—	0	0	—	—	—
Jamaica	—	443	--	74	—	991	991	—	53	53
Japan	4,044	110,281	--	10,417	—	314	314	5	—	5
Korea, South	70,808	30,830	--	7,115	—	9	9	10	56	66
Lebanon	—	—	--	—	—	—	—	—	—	—
Mexico	—	39,246	--	3,300	—	92,728	92,728	528	4,168	4,696
Montenegro	—	—	--	—	—	—	—	—	—	—
Morocco	—	5,750	--	—	—	—	—	—	—	—
Mozambique	—	—	--	—	—	—	—	—	—	—
Netherlands	73,432	15,856	--	2,863	—	560	560	—	289	289
New Zealand	735	2	--	0	—	—	—	0	0	0
Nicaragua	2,759	0	--	200	—	83	83	—	—	—
Nigeria	—	3,476	--	0	—	633	633	—	—	—
Norway	1,301	6,611	--	393	—	—	—	—	—	—
Pakistan	—	—	--	—	—	1	1	—	—	—
Panama	2,773	805	--	100	—	6,447	6,447	—	11	11
Peru	5,418	997	--	152	—	4,081	4,081	—	476	476
Philippines	—	0	--	1	—	290	290	—	—	—
Portugal	2,502	3,732	--	—	—	1	1	—	—	—
Puerto Rico	—	131	--	15	—	286	286	1	3	5
Romania	—	—	--	—	—	—	—	—	—	—
Saudi Arabia	—	0	--	6	—	4	4	—	0	0
Serbia (Excludes Kosovo) ..	—	—	--	—	—	—	—	—	—	—
Singapore	30,699	3,832	--	1,808	—	3,243	3,243	—	488	488
South Africa	5,179	3,096	--	0	—	636	636	0	—	0
Spain	17,820	8,065	--	25	—	—	—	—	—	—
Switzerland	750	1,708	--	0	—	—	—	—	0	0
Taiwan	46,155	6,127	--	2,386	—	3	3	0	—	0
Thailand	22,250	0	--	4	—	—	—	—	0	0
Trinidad and Tobago	—	0	--	0	—	1,110	1,110	—	—	—
Turkey	—	5,843	--	0	—	1	1	—	—	—
United Arab Emirates	6,033	0	--	528	—	25	25	—	0	0
United Kingdom	62,222	17,861	--	1	—	61	61	—	273	273
Venezuela	—	2	--	1	—	11	11	7	0	8
Other	36,353	18,174	--	675	—	2,433	2,433	4	212	214
Total	787,760	501,517	--	63,962	—	163,953	163,953	560	15,162	15,722

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2020
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina	---	---	0	—	—	—	4,561	—	—	—	4,561
Australia	---	---	68	—	—	—	944	—	—	—	944
Bahamas	---	---	1	—	—	—	4,490	595	2,102	—	7,187
Bahrain	---	---	0	—	—	—	—	—	—	—	—
Belgium	---	---	3	0	—	—	990	155	—	—	1,145
Belize	---	---	0	—	—	—	0	655	—	—	655
Brazil	---	---	4,260	—	—	—	39,461	3,569	2,313	—	45,344
Canada	---	---	4,782	2,435	—	—	6	2,630	1,116	—	3,752
Cayman Islands	---	---	0	—	—	—	567	—	—	—	567
Chile	---	---	7	—	—	—	24,676	299	593	—	25,568
China	---	---	2	88	—	—	330	—	—	—	330
Colombia	---	---	850	—	—	—	6,470	0	—	—	6,471
Costa Rica	---	---	2	—	—	—	4,907	121	—	—	5,028
Denmark	---	---	0	0	—	—	295	—	—	—	295
Dominican Republic	---	---	4	—	—	—	1,742	101	1,164	—	3,007
Ecuador	---	---	0	—	—	—	7,941	569	2,702	—	11,213
Egypt	---	---	2	—	—	—	0	—	—	—	0
El Salvador	---	---	—	—	—	—	796	1,247	197	—	2,241
Finland	---	---	279	—	—	—	84	—	—	—	84
France	---	---	108	—	—	—	9,438	—	0	—	9,438
Germany	---	---	0	5	—	—	210	0	—	—	211
Ghana	---	---	0	—	—	—	—	—	—	—	—
Gibraltar	---	---	—	—	—	—	4,344	986	2,496	—	7,826
Greece	---	---	0	—	—	—	291	—	—	—	291
Guatemala	---	---	0	0	—	—	2,216	4,879	1,275	—	8,370
Honduras	---	---	0	—	—	—	2,888	1,132	989	—	5,009
Hong Kong	---	---	0	—	—	—	0	—	—	—	0
India	---	---	3,511	—	—	—	5	—	—	—	5
Indonesia	---	---	0	—	—	—	1,205	—	—	—	1,205
Ireland	---	---	0	—	—	—	—	—	—	—	—
Israel	---	---	16	—	—	—	2	—	—	—	2
Italy	---	---	4	—	—	—	395	—	—	—	395
Jamaica	---	---	338	—	—	—	1,528	—	315	—	1,843
Japan	---	---	87	—	—	—	2	1	—	—	4
Korea, South	---	---	1,683	3	—	—	19	—	—	—	19
Lebanon	---	---	—	—	—	—	150	—	—	—	150
Mexico	---	---	1,252	6	—	—	60,155	369	867	—	61,391
Montenegro	---	---	—	—	—	—	—	—	—	—	—
Morocco	---	---	0	—	—	—	4,039	—	299	—	4,338
Mozambique	---	---	—	—	—	—	—	—	—	—	—
Netherlands	---	---	1,131	99	—	—	9,574	1,433	1,357	—	12,364
New Zealand	---	---	0	—	—	—	0	—	—	—	0
Nicaragua	---	---	0	—	—	—	76	262	152	—	490
Nigeria	---	---	655	—	—	—	0	—	—	—	0
Norway	---	---	147	25	—	—	366	—	—	—	366
Pakistan	---	---	—	—	—	—	—	—	—	—	—
Panama	---	---	0	—	—	—	13,789	3,306	1,634	—	18,728
Peru	---	---	601	43	—	—	13,361	—	100	—	13,461
Philippines	---	---	737	—	—	—	0	—	—	—	0
Portugal	---	---	0	—	—	—	—	—	—	—	—
Puerto Rico	---	---	24	0	—	—	3	2	—	—	5
Romania	---	---	—	—	—	—	268	—	—	—	268
Saudi Arabia	---	---	142	—	—	—	1	—	—	—	1
Serbia (Excludes Kosovo) ..	---	---	—	—	—	—	—	—	—	—	—
Singapore	---	---	4	0	—	—	7,371	589	560	—	8,520
South Africa	---	---	0	—	—	—	1	—	—	—	1
Spain	---	---	16	—	—	—	2,155	297	317	—	2,769
Switzerland	---	---	114	—	—	—	445	—	—	—	445
Taiwan	---	---	11	—	—	—	1	—	—	—	1
Thailand	---	---	0	—	—	—	0	—	—	—	0
Trinidad and Tobago	---	---	0	—	—	—	591	1,726	991	—	3,308
Turkey	---	---	144	—	—	—	355	—	—	—	355
United Arab Emirates	---	---	19	—	—	—	0	—	—	—	0
United Kingdom	---	---	453	—	—	—	9,522	—	550	—	10,072
Venezuela	---	---	—	—	—	—	17	0	—	—	17
Other	---	---	249	—	—	—	8,754	1,927	3,020	—	13,696
Total	---	---	21,706	2,704	—	—	251,797	26,850	25,109	—	303,756

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2020
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina	0	—	—	62	—	—	—	—
Australia	0	—	—	0	—	0	—	—
Bahamas	0	—	—	915	—	4,191	—	—
Bahrain	—	—	—	—	—	—	—	—
Belgium	—	—	—	—	—	—	—	—
Belize	—	—	—	26	—	—	—	—
Brazil	0	—	—	641	—	922	—	—
Canada	178	—	—	5,870	—	5,407	—	—
Cayman Islands	0	—	—	65	—	0	—	—
Chile	0	—	—	386	—	907	—	—
China	—	—	—	2	—	11	—	—
Colombia	—	—	—	190	—	0	—	—
Costa Rica	0	—	—	658	—	475	—	—
Denmark	—	—	—	—	—	—	—	—
Dominican Republic	1	—	—	830	—	1,022	—	—
Ecuador	0	—	—	8	—	214	—	—
Egypt	—	—	—	—	—	0	—	—
El Salvador	0	—	—	94	—	0	—	—
Finland	—	—	—	300	—	0	—	—
France	—	—	—	—	—	0	—	—
Germany	—	—	—	—	—	1	—	—
Ghana	—	—	—	—	—	—	—	—
Gibraltar	—	—	—	—	—	—	—	—
Greece	—	—	—	—	—	132	—	—
Guatemala	0	—	—	285	—	13	—	—
Honduras	0	—	—	194	—	704	—	—
Hong Kong	—	—	—	0	—	—	—	—
India	0	—	—	—	—	1	—	—
Indonesia	—	—	—	—	—	—	—	—
Ireland	0	—	—	—	—	—	—	—
Israel	1	—	—	667	—	0	—	—
Italy	—	—	—	908	—	—	—	—
Jamaica	0	—	—	260	—	1,613	—	—
Japan	0	—	—	—	—	0	—	—
Korea, South	—	—	—	0	—	0	—	—
Lebanon	—	—	—	—	—	1,668	—	—
Mexico	310	—	—	7,934	—	6,706	—	—
Montenegro	—	—	—	—	—	—	—	—
Morocco	—	—	—	—	—	433	—	—
Mozambique	—	—	—	—	—	—	—	—
Netherlands	—	—	—	632	—	1,992	—	—
New Zealand	0	—	—	—	—	0	—	—
Nicaragua	0	—	—	460	—	—	—	—
Nigeria	—	—	—	0	—	0	—	—
Norway	—	—	—	—	—	—	—	—
Pakistan	—	—	—	—	—	—	—	—
Panama	0	—	—	1,330	—	4,283	—	—
Peru	0	—	—	659	—	0	—	—
Philippines	—	—	—	0	—	—	—	—
Portugal	—	—	—	—	—	—	—	—
Puerto Rico	1	—	—	1	—	6	—	—
Romania	—	—	—	—	—	—	—	—
Saudi Arabia	—	—	—	—	—	580	—	—
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—
Singapore	0	—	—	207	—	5,012	—	—
South Africa	—	—	—	—	—	0	—	—
Spain	—	—	—	4	—	370	—	—
Switzerland	—	—	—	110	—	—	—	—
Taiwan	—	—	—	1	—	6	—	—
Thailand	—	—	—	0	—	0	—	—
Trinidad and Tobago	0	—	—	861	—	—	—	—
Turkey	—	—	—	—	—	0	—	—
United Arab Emirates	2	—	—	1	—	1	—	—
United Kingdom	0	—	—	972	—	421	—	—
Venezuela	—	—	—	—	—	0	—	—
Other	27	—	—	1,570	—	989	—	—
Total	520	—	—	27,103	—	38,080	—	—

See footnotes at end of table.

Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-August 2020
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina	1	156	0	640	0	7,372	7,372	—	30	30
Australia	8	1,967	160	45	1	6,098	14,020	32	25	57
Bahamas	—	—	11	17	0	13,711	18,472	20	56	76
Bahrain	0	—	—	3	—	7	7	—	0	0
Belgium	0	711	173	2,654	8	8,883	10,598	7	36	43
Belize	—	—	—	8	—	1,005	1,005	—	4	4
Brazil	6	9,199	0	2,398	6	98,094	104,612	27	402	429
Canada	655	6,006	1,084	1,957	61	133,675	227,371	384	548	932
Cayman Islands	—	—	28	8	—	773	773	—	3	3
Chile	2	0	302	454	4	38,928	46,095	29	160	189
China	11	13,932	7	139	7	47,090	148,345	415	193	608
Colombia	2	0	46	601	2	22,128	25,460	14	91	104
Costa Rica	1	297	295	104	0	11,537	11,537	—	47	47
Denmark	0	442	—	0	—	797	11,243	43	3	46
Dominican Republic	1	902	597	118	0	16,400	19,412	12	67	80
Ecuador	1	1,118	0	213	0	24,402	24,402	—	100	100
Egypt	0	1,904	2	5	—	3,724	3,724	—	15	15
El Salvador	0	281	0	140	0	7,323	7,323	—	30	30
Finland	0	—	—	2	—	2,250	2,250	—	9	9
France	2	836	—	69	—	16,662	34,595	73	68	142
Germany	36	602	12	17	1	1,156	26,219	103	5	107
Ghana	—	—	—	3	—	377	377	—	2	2
Gibraltar	—	—	—	—	—	9,895	10,575	3	41	43
Greece	—	1,648	—	3	—	2,074	5,357	13	8	22
Guatemala	1	2,294	0	112	—	20,980	20,980	—	86	86
Honduras	0	2,124	68	57	0	14,260	14,260	—	58	58
Hong Kong	0	—	0	10	1	536	536	—	2	2
India	14	24,007	1	836	2	54,625	110,095	227	224	451
Indonesia	0	0	5	13	0	20,737	25,466	19	85	104
Ireland	—	149	—	1	0	150	9,810	40	1	40
Israel	0	1,339	—	412	0	2,491	6,338	16	10	26
Italy	28	3,276	0	1	0	5,297	41,333	148	22	169
Jamaica	0	78	207	78	0	5,979	5,979	—	25	25
Japan	5	12,960	4	83	30	134,190	138,234	17	550	567
Korea, South	2	1,340	4	53	3	41,127	111,935	290	169	459
Lebanon	—	—	—	2	—	1,820	1,820	—	7	7
Mexico	133	12,804	2,216	7,084	194	239,998	239,998	—	984	984
Montenegro	—	—	0	—	—	0	0	—	0	0
Morocco	—	3,196	—	0	—	13,717	13,717	—	56	56
Mozambique	—	599	—	—	—	599	599	—	2	2
Netherlands	91	2,342	7	267	3	38,495	111,927	301	158	459
New Zealand	0	253	0	4	—	260	995	3	1	4
Nicaragua	0	0	0	30	—	1,262	4,022	11	5	16
Nigeria	—	532	0	644	—	5,940	5,940	—	24	24
Norway	0	724	—	1	0	8,266	9,567	5	34	39
Pakistan	0	2,874	0	15	0	2,891	2,891	—	12	12
Panama	0	265	103	686	0	32,759	35,532	11	134	146
Peru	1	0	0	257	1	20,729	26,147	22	85	107
Philippines	1	552	—	10	1	1,591	1,591	—	7	7
Portugal	0	553	—	1	—	4,287	6,790	10	18	28
Puerto Rico	0	—	99	81	—	655	655	—	3	3
Romania	—	1,099	—	0	—	1,368	1,368	—	6	6
Saudi Arabia	1	283	175	112	0	1,305	1,305	—	5	5
Serbia (Excludes Kosovo) ..	—	—	—	—	—	—	—	—	—	—
Singapore	0	0	62	629	0	23,807	54,506	126	98	223
South Africa	1	633	1	364	—	4,732	9,911	21	19	41
Spain	9	3,129	0	9	0	14,396	32,216	73	59	132
Switzerland	0	1,306	35	0	—	3,718	4,468	3	15	18
Taiwan	20	0	2	45	1	8,604	54,759	189	35	224
Thailand	0	749	1	24	2	781	23,030	91	3	94
Trinidad and Tobago	0	1	0	72	0	5,352	5,352	—	22	22
Turkey	0	9,444	0	79	—	15,866	15,866	—	65	65
United Arab Emirates	0	1,024	5	419	—	2,024	8,057	25	8	33
United Kingdom	5	1,081	1	11	0	31,212	93,434	255	128	383
Venezuela	—	—	—	32	—	70	70	—	0	0
Other	5	4,613	30	436	10	43,104	79,457	151	178	329
Total	1,043	135,624	5,743	22,568	338	1,304,341	2,092,100	3,229	5,346	8,574

-- = Not Applicable.

— = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2020
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	558	-10	-	0	-	0	0	0	31	31
Algeria	-	-	-	-	-	-	-	-	11	11
Angola	2	-	-	-	-	-	-	-	10	10
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	209	-	-	-	-	0	0	-	-	-
Kuwait	-	-	-	-	-	-	-	-	-	-
Libya	-	-	-	0	-	-	-	-	-	-
Nigeria	105	-12	-	-	-	-	-	-	9	9
Saudi Arabia	267	-	-	0	-	-	-	-	-	-
United Arab Emirates	-25	2	-	0	-	0	0	-	0	0
Venezuela	-	0	-	-	-	0	0	0	0	0
Non-OPEC	1,577	-1,871	15	354	-	-649	-649	251	199	451
Argentina	102	-	-	0	-	3	3	-	-	-
Aruba	-	0	-	-	-	-	-	-	-	-
Australia	-	0	-	0	-	0	0	0	-	0
Bahamas	9	-1	-	0	-	-2	-2	0	-	0
Bahrain	-	-	-	-	-	0	0	-	-	-
Belgium	-	-8	-	0	-	14	14	5	22	27
Brazil	16	-55	-	-52	-	-61	-61	-	22	22
Brunei	-	-	-	-	-	-	-	-	-	-
Cameroon	22	-	-	-	-	-	-	-	-	-
Canada	3,110	-132	14	-19	-	3	3	86	12	98
Chad	-	-	-	-	-	-	-	-	-	-
China	-571	-232	-	0	-	0	0	-	-	-
Colombia	167	-1	-	-49	-	-24	-24	-	5	5
Denmark	-45	-	-	0	-	-	-	-	-	-
Dominican Republic	-32	-21	-	0	-	-11	-11	-	-	-
Ecuador	231	-34	-	11	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-	-	-
Finland	-	-19	-	1	-	-	-	1	4	5
France	-94	-19	-	-1	-	11	11	9	-	9
Germany	-184	-4	-	5	-	0	0	2	3	4
Guatemala	4	-13	-	0	-	-36	-36	-	-	-
Honduras	-	-8	-	0	-	-11	-11	-	-	-
India	-135	-118	-	-1	-	-	-	-	73	73
Indonesia	-	-104	-	-	-	-	-	-	-	-
Italy	-183	-8	-	21	-	3	3	9	10	19
Japan	-	-345	-	-6	-	0	0	0	1	1
Korea, South	-319	-116	-	-26	-	2	2	10	8	18
Latvia	-	-	-	-	-	-	-	-	1	1
Lithuania	-	-	-	-	-	-	-	-	1	1
Malaysia	-26	-	-	-	-	-	-	-	-	-
Mexico	645	-165	1	51	-	-496	-496	16	-23	-7
Netherlands	-341	-26	-	-11	-	9	9	40	10	50
Norway	-	-19	-	6	-	0	0	-	5	5
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-	-2	-	0	-	-9	-9	-	0	0
Portugal	-19	-26	-	-	-	9	9	27	2	28
Puerto Rico	-	-1	-	0	-	0	0	0	0	0
Qatar	-	0	-	-	-	-	-	-	-	-
Russia	47	-	-	400	-	2	2	16	24	40
Spain	-92	-37	-	2	-	0	0	1	9	10
Sweden	-70	-	-	13	-	0	0	1	1	1
Trinidad and Tobago	17	-	-	0	-	0	0	-	-	-
United Kingdom	-247	-101	-	6	-	7	7	30	9	39
Vietnam	-	-18	-	0	-	-	-	-	-	-
Virgin Islands, U.S.	-45	0	-	-20	-	0	0	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-390	-238	0	23	-	-62	-62	-2	0	2
Total	2,134	-1,881	15	354	-	-649	-649	251	230	482
Persian Gulf²	451	2	-	0	-	0	0	-	0	0

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-8	-	-	-	0	-	-	-	0
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	-	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	0	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	-	-	-	-	-
Nigeria	--	--	-8	-	-	-	0	-	-	-	0
Saudi Arabia	--	--	0	-	-	-	-	-	-	-	-
United Arab Emirates	--	--	0	-	-	-	-	-	-	-	-
Venezuela	--	--	-	-	-	-	-	-	-	-	-
Non-OPEC	--	--	-43	-9	14	-	-1,013	-113	-66	-	-1,192
Argentina	--	--	-	-	-	-	-14	-	-	-	-14
Aruba	--	--	0	-	-	-	-	-	-	-	-
Australia	--	--	0	-	-	-	-	-	-	-	-
Bahamas	--	--	0	-	-	-	-10	-3	-5	-	-17
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	-	-	-	-3	-	-	-	-3
Brazil	--	--	26	-	-	-	-226	-5	-	-	-232
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	0	-	-	-	0
Canada	--	--	-28	-9	-	-	86	-14	-7	-	64
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	-	-	-	0	-	-	-	0
Colombia	--	--	-7	-	-	-	6	-	-	-	6
Denmark	--	--	-	-	-	-	-	-	-	-	-
Dominican Republic	--	--	0	-	-	-	-8	0	-5	-	-13
Ecuador	--	--	0	-	-	-	-60	-	-	-	-60
Estonia	--	--	-	-	-	-	-	-	-	-	-
Finland	--	--	-	-	-	-	-	-	-	-	-
France	--	--	-1	-	-	-	-20	-	-	-	-20
Germany	--	--	-	0	-	-	-7	-	-	-	-7
Guatemala	--	--	-	-	-	-	-2	-19	-3	-	-24
Honduras	--	--	-	-	-	-	-22	-4	-3	-	-28
India	--	--	-8	-	-	-	0	-	-	-	0
Indonesia	--	--	-	-	-	-	1	-	-	-	1
Italy	--	--	-	-	-	-	0	-	-	-	0
Japan	--	--	0	-	-	-	0	-	-	-	0
Korea, South	--	--	-5	-	-	-	26	-	-	-	26
Latvia	--	--	-	-	-	-	-	-	-	-	-
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	-	-	-	-	-
Mexico	--	--	-6	0	-	-	-278	-4	0	-	-282
Netherlands	--	--	-1	-	-	-	-67	-9	-	-	-76
Norway	--	--	-	-	-	-	-	-	-	-	-
Oman	--	--	-	-	-	-	-	-	-	-	-
Panama	--	--	0	-	-	-	-24	-16	-16	-	-57
Portugal	--	--	-	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	-	-	-	0	-	-	-	0
Qatar	--	--	-	-	-	-	5	-	-	-	5
Russia	--	--	-	-	-	-	-	-	-	-	-
Spain	--	--	-	-	-	-	-	-10	-	-	-10
Sweden	--	--	-	-	-	-	-3	-	-	-	-3
Trinidad and Tobago	--	--	0	-	-	-	-1	-	-8	-	-9
United Kingdom	--	--	-1	-	-	-	-95	-	-	-	-95
Vietnam	--	--	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	--	--	-	-	-	-	-5	-	-	-	-5
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-12	0	14	-	-292	-29	-19	-	-339
Total	--	--	-50	-9	14	-	-1,013	-113	-66	-	-1,192
Persian Gulf²	--	--	0	-	-	-	5	-	-	-	5

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	1	3	0	2	-
Algeria	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-
Kuwait	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	0	-	-
Saudi Arabia	-	-	-	1	3	-	2	-
United Arab Emirates	0	-	-	-	-	-	-	-
Venezuela	-	-	-	-	-	-	-	-
Non-OPEC	-4	1	-	134	8	62	26	4
Argentina	0	-	-	-	-	-	-	0
Aruba	0	-	-	-	-	-	-	-
Australia	-	-	-	-	-	-	-	-
Bahamas	-	-	-	0	-	-25	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	-	0	-
Brazil	-	-	-	-	1	3	-	0
Brunei	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	2	0	10	3	2
Chad	-	-	-	-	-	-	-	-
China	-	-	-	0	-	0	-	-
Colombia	-	-	-	-	-	2	-	-
Denmark	-	-	-	-	-	8	-	-
Dominican Republic	0	-	-	0	-	-	-	-
Ecuador	-	-	-	-	-	-	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-
France	-	-	-	-	-	-	0	1
Germany	-	-	-	-	-	-	-	-
Guatemala	0	-	-	-1	-	-	-	-
Honduras	0	-	-	0	-	-	-	-
India	-	-	-	32	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	6	-	1	-	-
Japan	0	-	-	14	3	-	4	-
Korea, South	0	-	-	95	3	0	1	-
Latvia	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	-	-
Mexico	-3	-	-	-17	-	19	6	-
Netherlands	-	1	-	-	-	8	11	-
Norway	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-	-	-9	-	-
Portugal	-	-	-	-	-	-	-	-
Puerto Rico	-	-	-	0	-	-	-	-
Qatar	0	-	-	-	-	-	-	-
Russia	0	-	-	-	-	63	-	-
Spain	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	4	-	-
Trinidad and Tobago	0	-	-	-	-	-	-	-
United Kingdom	0	-	-	-	-	0	0	-
Vietnam	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-7	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	3	0	-15	1	1
Total	-4	1	-	135	11	62	29	4
Persian Gulf²	0	-	-	1	3	-	2	-

See footnotes at end of table.

Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-5	-6	-7	-	2	560
Algeria	-	-	-	0	-	11	11
Angola	-	-	-	-	-	10	12
Congo (Brazzaville)	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	0	-	0	0
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	0	209
Kuwait	-	-	0	0	-	0	0
Libya	-	-	-	0	-	0	0
Nigeria	-	-	-	-4	-	-14	91
Saudi Arabia	0	0	-6	0	-	1	268
United Arab Emirates	0	-4	0	-3	-	-5	-30
Venezuela	-	-	-	0	-	0	0
Non-OPEC	-1	-397	7	-79	-1	-3,169	-1,592
Argentina	0	-	-	-8	0	-19	83
Aruba	-	-	-	0	-	0	0
Australia	0	-5	0	0	0	-6	-6
Bahamas	-	-	0	0	-	-45	-35
Bahrain	-	-	-	0	-	0	0
Belgium	0	0	-6	-11	0	12	12
Brazil	0	-33	0	-19	0	-400	-384
Brunei	-	-	-	0	-	0	0
Cameroon	-	-	-	-	-	0	22
Canada	0	-21	25	-5	0	7	3,117
Chad	-	-	-	-	-	-	-
China	0	-19	0	-1	0	-252	-823
Colombia	0	-	0	-2	0	-69	98
Denmark	0	-4	-	0	-	4	-41
Dominican Republic	0	-	-	0	0	-45	-78
Ecuador	0	0	-	0	-	-83	148
Estonia	-	-	-	-	-	-	-
Finland	-	-	-	0	-	-14	-14
France	0	-1	-	0	-	-21	-115
Germany	0	-1	0	0	0	-1	-185
Guatemala	0	-8	-	0	-	-82	-79
Honduras	0	-9	-	0	0	-57	-57
India	0	-63	0	-10	0	-94	-229
Indonesia	0	-	0	3	-	-100	-100
Italy	0	-8	-	0	-	33	-149
Japan	0	-38	0	0	0	-367	-367
Korea, South	0	-	0	3	0	2	-317
Latvia	-	-	-	0	-	1	1
Lithuania	-	-	-	0	-	1	1
Malaysia	0	-	-	0	0	0	-26
Mexico	-1	-53	-8	-30	-1	-990	-345
Netherlands	-1	-11	0	2	0	-45	-387
Norway	-	-3	-	0	-	-11	-11
Oman	-	-	-	0	-	0	0
Panama	-	-	-	0	-	-78	-78
Portugal	-	-6	-	-	-	6	-14
Puerto Rico	0	-	-2	0	-	-4	-4
Qatar	-	-	-	9	-	14	14
Russia	-	-	-	0	-	505	552
Spain	0	-28	-	0	0	-63	-156
Sweden	-	-1	-	0	0	15	-55
Trinidad and Tobago	-	0	-	0	0	-9	8
United Kingdom	0	-1	0	0	-	-146	-392
Vietnam	0	-4	-	0	-	-22	-22
Virgin Islands, U.S.	-	-	0	0	-	-31	-77
Yemen	-	-	-	-	-	-	-
Other	1	-80	-2	-10	0	-715	-1,102
Total	-1	-402	1	-86	-1	-3,167	-1,033
Persian Gulf²	0	-5	-6	6	-	10	461

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2020
(Thousand Barrels per Day)

Country of Origin	Crude Oil ¹	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
OPEC	943	-10	-	12	-	0	0	1	17	18
Algeria	-	-	-	3	-	-	-	-	6	6
Angola	23	-	-	0	-	-	-	-	3	3
Congo (Brazzaville)	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea	-	3	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-
Iraq	215	-	-	0	-	0	0	0	-	0
Kuwait	23	-	-	3	-	0	0	0	-	0
Libya	13	-	-	0	-	-	-	-	-	-
Nigeria	68	-14	-	1	-	-3	-3	-	2	2
Saudi Arabia	622	0	-	5	-	2	2	1	4	6
United Arab Emirates	-21	1	-	0	-	0	0	-	1	1
Venezuela	-	0	-	0	-	0	0	0	0	0
Non-OPEC	1,897	-1,916	15	291	-	-563	-563	157	225	383
Argentina	39	0	-	-4	-	-3	-3	-	1	1
Aruba	-	0	-	0	-	-1	-1	-	0	0
Australia	-32	-12	-	0	-	0	0	0	0	0
Bahamas	-15	-1	-	0	-	-3	-3	0	-1	-1
Bahrain	-	-	-	0	-	0	0	0	-	0
Belgium	-7	-13	-	10	-	5	5	7	8	14
Brazil	41	-51	-	-33	-	-47	-47	0	21	21
Brunei	18	-	-	-	-	-	-	-	-	-
Cameroon	21	0	-	-	-	-	-	-	-	-
Canada	3,210	-200	15	-44	-	-6	-6	94	13	107
Chad	-	0	-	-	-	-	-	-	-	-
China	-415	-129	-	-4	-	0	0	-	-	-
Colombia	253	-1	-	-26	-	-17	-17	-	3	3
Denmark	-43	-	-	0	-	0	0	0	0	0
Dominican Republic	-12	-32	-	0	-	-8	-8	0	0	0
Ecuador	165	-33	-	10	-	-9	-9	0	-6	-6
Estonia	-	-	-	-	-	-	-	-	0	0
Finland	-	-6	-	1	-	0	0	0	9	9
France	-73	-22	-	-3	-	12	12	4	0	4
Germany	-103	-1	-	2	-	0	0	0	2	3
Guatemala	4	-9	-	0	-	-31	-31	0	0	0
Honduras	-	-14	-	0	-	-11	-11	0	0	0
India	-227	-107	-	1	-	1	1	0	65	66
Indonesia	-19	-74	-	0	-	-6	-6	-	-	-
Italy	-146	-3	-	8	-	0	0	1	15	16
Japan	-17	-452	-	-42	-	-1	-1	0	2	2
Korea, South	-290	-126	-	-29	-	5	5	1	10	11
Latvia	-	-	-	-	-	0	0	-	0	0
Lithuania	-2	-	-	-	-	0	0	-	1	1
Malaysia	-26	0	-	5	-	0	0	-	0	0
Mexico	703	-161	1	18	-	-380	-380	0	-14	-14
Netherlands	-301	-65	-	-6	-	10	10	21	22	43
Norway	5	-24	-	0	-	1	1	0	9	9
Oman	-	-	-	0	-	-	-	-	-	-
Panama	-9	-3	-	0	-	-26	-26	-	0	0
Portugal	-10	-15	-	2	-	16	16	4	5	9
Puerto Rico	-	-1	-	0	-	-1	-1	0	0	0
Qatar	-	0	-	0	-	0	0	0	-	0
Russia	72	0	-	398	-	7	7	2	23	25
Spain	-73	-33	-	4	-	6	6	1	14	15
Sweden	-46	-16	-	5	-	3	3	0	3	3
Trinidad and Tobago	38	1	-	0	-	-5	-5	-	-	-
United Kingdom	-231	-72	-	10	-	3	3	20	14	35
Vietnam	-12	-8	-	0	-	-	-	-	0	0
Virgin Islands, U.S.	-9	-5	-	-3	-	-2	-2	-	-	-
Yemen	-	-	-	-	-	-	-	-	-	-
Other	-554	-228	-1	11	-	-75	-75	2	6	7
Total	2,839	-1,927	15	303	-	-564	-564	159	242	400
Persian Gulf²	839	1	-	8	-	2	2	1	5	7

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
OPEC	--	--	-3	-	-	-	0	0	-	-	0
Algeria	--	--	-	-	-	-	-	-	-	-	-
Angola	--	--	-	-	-	-	-	-	-	-	-
Congo (Brazzaville)	--	--	-	-	-	-	-	-	-	-	-
Equatorial Guinea	--	--	0	-	-	-	-	-	-	-	-
Gabon	--	--	-	-	-	-	-	-	-	-	-
Iran	--	--	-	-	-	-	-	-	-	-	-
Iraq	--	--	-	-	-	-	-	-	-	-	-
Kuwait	--	--	0	-	-	-	-	-	-	-	-
Libya	--	--	-	-	-	-	0	-	-	-	0
Nigeria	--	--	-3	-	-	-	0	-	-	-	0
Saudi Arabia	--	--	-1	-	-	-	0	-	-	-	0
United Arab Emirates	--	--	0	-	-	-	0	-	-	-	0
Venezuela	--	--	-	-	-	-	0	0	-	-	0
Non-OPEC	--	--	-78	2	16	-	-868	-106	-101	-	-1,075
Argentina	--	--	0	-	-	-	-19	-	-	-	-19
Aruba	--	--	0	-	-	-	0	-	-	-	0
Australia	--	--	0	-	-	-	-4	-	-	-	-4
Bahamas	--	--	0	-	-	-	-18	-2	-9	-	-29
Bahrain	--	--	0	-	-	-	-	-	-	-	-
Belgium	--	--	0	0	-	-	-4	-1	-	-	-5
Brazil	--	--	-10	-	-	-	-162	-15	-9	-	-186
Brunei	--	--	-	-	-	-	-	-	-	-	-
Cameroon	--	--	-	-	-	-	0	-	-	-	0
Canada	--	--	-20	-2	-	-	125	-10	-4	-	111
Chad	--	--	-	-	-	-	-	-	-	-	-
China	--	--	0	0	-	-	-1	-	-	-	-1
Colombia	--	--	-3	-	-	-	-11	0	-	-	-11
Denmark	--	--	0	0	-	-	-1	-	-	-	-1
Dominican Republic	--	--	0	-	-	-	-7	0	-5	-	-12
Ecuador	--	--	0	-	-	-	-33	-2	-11	-	-46
Estonia	--	--	-	-	-	-	-1	-	-	-	-1
Finland	--	--	-1	-	-	-	0	-	-	-	0
France	--	--	0	-	-	-	-39	-	0	-	-39
Germany	--	--	0	3	-	-	-1	0	-	-	-1
Guatemala	--	--	0	0	-	-	-9	-20	-5	-	-34
Honduras	--	--	0	-	-	-	-12	-5	-4	-	-21
India	--	--	-14	-	-	-	5	3	-	-	8
Indonesia	--	--	0	-	-	-	-3	-	-	-	-3
Italy	--	--	0	-	-	-	0	-	-	-	0
Japan	--	--	0	-	-	-	1	0	-	-	1
Korea, South	--	--	-7	1	-	-	6	-	-	-	6
Latvia	--	--	-	-	-	-	0	-	-	-	0
Lithuania	--	--	-	-	-	-	-	-	-	-	-
Malaysia	--	--	0	-	-	-	-2	-	-	-	-2
Mexico	--	--	-5	0	-	-	-247	-2	-4	-	-252
Netherlands	--	--	-5	0	-	-	-39	-6	-4	-	-50
Norway	--	--	-1	0	-	-	-1	-	-	-	-1
Oman	--	--	0	-	-	-	0	-	-	-	0
Panama	--	--	0	-	-	-	-57	-14	-7	-	-77
Portugal	--	--	0	-	-	-	-	-	-	-	-
Puerto Rico	--	--	0	0	-	-	0	0	-	-	0
Qatar	--	--	0	-	-	-	3	-	-	-	3
Russia	--	--	-	-	-	-	3	0	-	-	3
Spain	--	--	0	1	-	-	-6	-1	-1	-	-9
Sweden	--	--	0	-	-	-	-3	-	-	-	-3
Trinidad and Tobago	--	--	0	-	-	-	-2	-7	-4	-	-14
United Kingdom	--	--	-2	-	-	-	-39	-	-2	-	-41
Vietnam	--	--	0	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	--	--	0	-	-	-	-9	-4	-1	-	-14
Yemen	--	--	-	-	-	-	-	-	-	-	-
Other	--	--	-10	-1	16	-	-281	-20	-31	-	-331
Total	--	--	-82	2	16	-	-867	-106	-101	-	-1,074
Persian Gulf²	--	--	-1	-	-	-	3	-	-	-	3

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
OPEC	0	-	-	8	1	3	0	-
Algeria	-	-	-	-	-	1	-	-
Angola	-	-	-	-	-	-	-	-
Congo (Brazzaville)	-	-	-	-	-	-	-	-
Equatorial Guinea	-	-	-	-	-	0	-	-
Gabon	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Iraq	-	-	-	0	-	-	-	-
Kuwait	-	-	-	4	-	-	-	-
Libya	-	-	-	-	-	-	-	-
Nigeria	-	-	-	0	-	0	-	-
Saudi Arabia	-	-	-	4	1	0	0	-
United Arab Emirates	0	-	-	0	-	1	-	-
Venezuela	-	-	-	-	-	0	-	-
Non-OPEC	-2	1	-	31	13	6	17	3
Argentina	0	-	-	0	-	3	-	0
Aruba	0	-	-	-1	-	-	-	-
Australia	0	-	-	0	-	0	-	-
Bahamas	0	-	-	-4	-	-11	-	-
Bahrain	-	-	-	-	-	-	-	-
Belgium	-	-	-	-	-	2	0	-
Brazil	0	-	-	-3	1	3	-	0
Brunei	-	-	-	6	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-
Canada	-1	0	-	-16	2	2	3	2
Chad	-	-	-	-	-	-	-	-
China	-	-	-	1	-	0	-	-
Colombia	-	-	-	0	-	2	-	-
Denmark	-	-	-	-	-	2	-	-
Dominican Republic	0	-	-	-3	-	-4	-	-
Ecuador	0	-	-	0	-	2	-	-
Estonia	-	-	-	-	-	-	-	-
Finland	-	-	-	-1	-	1	-	-
France	-	-	-	-	0	0	0	1
Germany	-	-	-	-	0	1	-	-
Guatemala	0	-	-	-1	-	0	-	-
Honduras	0	-	-	-1	-	-3	-	-
India	0	-	-	11	1	0	-	-
Indonesia	-	-	-	-	-	-	-	-
Italy	-	-	-	-2	-	0	-	-
Japan	0	-	-	20	2	0	3	-
Korea, South	0	-	-	73	7	0	0	-
Latvia	-	-	-	0	-	0	-	-
Lithuania	-	-	-	-	-	2	-	-
Malaysia	0	-	-	0	-	-2	-	-
Mexico	-1	-	-	-32	0	19	6	-
Netherlands	-	1	-	-3	0	-3	4	-
Norway	-	-	-	-	-	-	0	-
Oman	-	-	-	-	-	-	-	-
Panama	0	-	-	-4	-	-17	-	-
Portugal	-	-	-	-	-	2	-	-
Puerto Rico	0	-	-	0	-	0	-	-
Qatar	0	-	-	4	-	-	-	-
Russia	0	-	-	-	-	31	-	-
Spain	-	-	-	0	0	-1	-	-
Sweden	-	-	-	-	-	3	-	-
Trinidad and Tobago	0	-	-	-3	-	-	-	-
United Kingdom	0	-	-	-3	0	1	0	-
Vietnam	-	-	-	0	-	-	-	-
Virgin Islands, U.S.	0	-	-	-2	-	-1	-	-
Yemen	-	-	-	-	-	-	-	-
Other	0	0	-	-5	0	-28	1	0
Total	-2	1	-	39	14	9	18	3
Persian Gulf²	0	-	-	12	1	2	0	-

See footnotes at end of table.

Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-August 2020
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
OPEC	0	-8	-1	-1	0	18	961
Algeria	-	-	-	0	-	11	11
Angola	-	-	-	0	-	3	26
Congo (Brazzaville)	-	-	-	-	-	-	0
Equatorial Guinea	-	-	-	0	-	3	3
Gabon	-	-	-	0	-	0	0
Iran	-	-	-	-	-	-	-
Iraq	0	-	-	0	-	0	216
Kuwait	-	-	0	0	-	7	29
Libya	-	-	-	0	-	0	13
Nigeria	-	-2	0	-3	-	-20	47
Saudi Arabia	0	-1	-1	0	0	16	637
United Arab Emirates	0	-4	0	2	-	1	-20
Venezuela	-	-	-	0	-	0	0
Non-OPEC	0	-538	24	-57	-1	-3,429	-1,532
Argentina	0	4	0	-3	0	-20	19
Aruba	-	-	0	0	-	-2	-2
Australia	0	-8	-1	0	0	-25	-57
Bahamas	-	-	0	0	0	-48	-64
Bahrain	0	-	-	1	-	1	1
Belgium	0	-3	-1	-10	0	-1	-8
Brazil	0	-36	0	-10	0	-350	-309
Brunei	-	-	-	0	-	6	24
Cameroon	0	-	-	0	-	0	21
Canada	-1	-23	35	-2	0	-39	3,171
Chad	-	-	-	-	-	0	0
China	1	-57	0	-1	0	-191	-606
Colombia	0	0	1	-2	0	-56	197
Denmark	0	-2	-	0	-	-1	-44
Dominican Republic	0	-4	-2	0	0	-67	-80
Ecuador	0	-5	0	-1	0	-86	79
Estonia	-	-	-	0	-	-1	-1
Finland	0	-	-	0	-	1	1
France	0	-3	-	0	-	-51	-125
Germany	0	-2	0	0	0	5	-98
Guatemala	0	-9	0	0	-	-86	-82
Honduras	0	-9	0	0	0	-58	-58
India	0	-98	0	-3	0	-136	-363
Indonesia	0	0	0	3	0	-81	-100
Italy	0	-13	1	1	0	8	-138
Japan	0	-53	0	0	0	-521	-537
Korea, South	0	-5	0	8	0	-56	-346
Latvia	-	-	-	0	-	1	1
Lithuania	-	-	-	0	0	3	1
Malaysia	0	-2	0	0	0	-1	-27
Mexico	-1	-52	-9	-29	-1	-892	-189
Netherlands	0	-9	0	0	0	-82	-383
Norway	0	-3	-	0	0	-18	-13
Oman	0	0	0	0	-	0	0
Panama	0	-1	0	-3	0	-132	-141
Portugal	0	-2	-	0	-	10	0
Puerto Rico	0	-	0	0	-	-3	-3
Qatar	-	-1	-	7	-	13	13
Russia	0	0	0	0	-	464	535
Spain	0	-13	2	0	0	-29	-102
Sweden	0	0	-	0	0	-5	-51
Trinidad and Tobago	0	0	0	0	0	-21	17
United Kingdom	0	-4	0	0	0	-72	-303
Vietnam	0	-3	0	0	0	-12	-24
Virgin Islands, U.S.	-	-	0	0	-	-27	-35
Yemen	-	-	-	0	-	0	0
Other	1	-122	-2	-13	0	-771	-1,323
Total	0	-546	23	-58	-1	-3,410	-571
Persian Gulf²	0	-6	-1	10	0	37	876

-- = Not Applicable.

- = No Data Reported.

¹ On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

² Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Crude Oil	12,065	140,078	920,092	24,409	54,894	1,151,538
Refinery	6,591	13,470	46,074	2,468	23,470	92,073
Tank Farms and Pipelines (Includes Cushing, OK)	5,474	126,608	226,488	21,941	27,003	407,514
Cushing, Oklahoma	--	53,938	--	--	--	53,938
Leases	--	--	--	--	--	--
Strategic Petroleum Reserve ¹	--	--	647,530	--	--	647,530
Alaskan In Transit	--	--	--	--	4,421	4,421
Total Stocks, All Oils (excluding Crude Oil)²	181,783	192,652	441,619	25,620	90,458	932,132
Refinery	11,058	45,997	117,931	10,329	47,104	232,419
Bulk Terminal	144,333	107,910	260,466	8,520	37,707	558,936
Pipeline	26,118	37,170	61,319	6,572	5,009	136,188
Natural Gas Processing Plant	274	1,575	1,903	199	638	4,589
Natural Gas Liquids	12,935	65,595	184,482	8,137	6,154	277,303
Refinery	502	4,306	7,217	490	1,611	14,126
Bulk Terminal	10,476	43,579	154,325	2,871	3,905	215,156
Pipeline	1,683	16,135	21,037	4,577	--	43,432
Natural Gas Processing Plant	274	1,575	1,903	199	638	4,589
Ethane	803	6,884	51,935	1,263	--	60,885
Refinery	--	--	123	--	--	123
Bulk Terminal	536	3,297	43,392	--	--	47,225
Pipeline	267	3,381	8,164	1,256	--	13,068
Natural Gas Processing Plant	--	206	256	7	--	469
Propane	8,505	26,043	54,704	3,119	2,908	95,279
Refinery	73	1,550	942	45	96	2,706
Bulk Terminal	7,176	20,177	47,443	1,315	2,661	78,772
Pipeline	1,111	3,668	6,095	1,668	--	12,542
Natural Gas Processing Plant	145	648	224	91	151	1,259
Normal Butane	3,154	19,394	39,769	2,583	2,725	67,625
Refinery	291	2,020	4,175	345	1,058	7,889
Bulk Terminal	2,582	15,985	32,598	1,522	1,241	53,928
Pipeline	229	1,100	2,743	676	--	4,748
Natural Gas Processing Plant	52	289	253	40	426	1,060
Isobutane	189	2,293	9,945	414	466	13,307
Refinery	138	428	1,325	87	454	2,432
Bulk Terminal	--	1,013	7,513	--	--	8,526
Pipeline	38	663	1,047	313	--	2,061
Natural Gas Processing Plant	13	189	60	14	12	288
Natural Gasoline	284	10,981	28,129	758	55	40,207
Refinery	--	308	652	13	3	976
Bulk Terminal	182	3,107	23,379	34	3	26,705
Pipeline	38	7,323	2,988	664	--	11,013
Natural Gas Processing Plant	64	243	1,110	47	49	1,513
Refinery Olefins	194	721	4,435	54	57	5,461
Refinery	194	721	4,435	54	57	5,461
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Ethylene	--	--	0	--	--	0
Refinery	--	--	0	--	--	0
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Propylene	116	298	1,166	0	11	1,591
Refinery	116	298	1,166	0	11	1,591
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Normal Butylene	29	423	3,269	54	46	3,821
Refinery	29	423	3,269	54	46	3,821
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Isobutylene	49	0	0	0	0	49
Refinery	49	0	0	0	0	49
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Natural Gas Processing Plant	--	--	--	--	--	--
Other Hydrocarbons	--	26	--	--	--	26
Refinery	--	26	--	--	--	26
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
MTBE	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal ³	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Other Oxygenates⁴	--	--	--	--	--	--
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	--	--	--	--
Pipeline	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	7,368	7,731	5,472	503	4,411	25,485
Refinery	197	118	521	241	433	1,510
Bulk Terminal	7,171	7,613	4,951	258	3,978	23,971
Pipeline	--	--	--	4	--	4
Fuel Ethanol²	6,108	6,720	3,777	383	3,155	20,143
Refinery	189	78	200	124	52	643
Bulk Terminal	5,919	6,642	3,577	255	3,103	19,496
Pipeline	--	--	--	4	--	4
Renewable Diesel Fuel⁵	1,260	1,011	1,688	120	1,222	5,301
Refinery	8	40	321	117	381	867
Bulk Terminal	1,252	971	1,367	3	841	4,434
Pipeline	--	--	--	--	--	--
Other Renewable Fuels	--	--	7	--	34	41
Refinery	--	--	--	--	--	--
Bulk Terminal	--	--	7	--	34	41
Pipeline	--	--	--	--	--	--
Unfinished Oils	3,870	12,843	45,226	2,813	17,519	82,271
Naphthas and Lighter	834	2,942	10,438	798	2,961	17,973
Refinery	805	2,908	9,200	798	2,781	16,492
Bulk Terminal	29	34	1,238	--	180	1,481
Kerosene and Light Gas Oils	504	2,153	8,415	493	3,301	14,866
Refinery	495	2,153	5,760	493	3,226	12,127
Bulk Terminal	9	--	2,655	--	75	2,739
Heavy Gas Oils	1,628	5,437	20,333	1,112	8,507	37,017
Refinery	1,340	4,749	17,694	1,112	8,397	33,292
Bulk Terminal	288	688	2,639	--	110	3,725
Residuum	904	2,311	6,040	410	2,750	12,415
Refinery	904	2,176	5,353	410	2,745	11,588
Bulk Terminal	--	135	687	--	5	827
Motor Gasoline Blending Components²	58,092	41,465	79,949	5,693	26,265	211,464
Refinery	3,294	11,255	27,229	2,929	13,068	57,775
Bulk Terminal	42,998	21,757	33,518	1,845	10,986	111,104
Pipeline	11,800	8,453	19,202	919	2,211	42,585
Reformulated - RBOB	19,864	5,539	10,125	--	12,659	48,187
Refinery	892	917	1,583	--	4,711	8,103
Bulk Terminal	14,645	3,308	4,493	--	6,484	28,930
Pipeline	4,327	1,314	4,049	--	1,464	11,154
Conventional	38,228	35,926	69,824	5,693	13,606	163,277
Refinery	2,402	10,338	25,646	2,929	8,357	49,672
Bulk Terminal	28,353	18,449	29,025	1,845	4,502	82,174
Pipeline	7,473	7,139	15,153	919	747	31,431
CBOB	26,230	29,523	37,490	4,346	7,215	104,804
Refinery	484	4,686	10,484	1,585	2,431	19,670
Bulk Terminal	18,273	17,784	12,088	1,842	4,038	54,025
Pipeline	7,473	7,053	14,918	919	746	31,109
GTAB	1,721	--	--	--	--	1,721
Refinery	--	--	--	--	--	--
Bulk Terminal	1,721	--	--	--	--	1,721
Pipeline	--	--	--	--	--	--
Other	10,277	6,403	32,334	1,347	6,391	56,752
Refinery	1,918	5,652	15,162	1,344	5,926	30,002
Bulk Terminal	8,359	665	16,937	3	464	26,428
Pipeline	--	86	235	--	1	322
Aviation Gasoline Blending Components	--	--	30	--	--	30
Refinery	--	--	30	--	--	30
Bulk Terminal	--	--	--	--	--	--
Finished Motor Gasoline	3,801	7,134	9,404	1,674	3,138	25,151
Refinery	36	1,654	3,418	719	1,129	6,956
Bulk Terminal	1,840	2,663	4,172	716	1,820	11,211
Pipeline	1,925	2,817	1,814	239	189	6,984
Reformulated	31	--	--	--	16	47
Refinery	--	--	--	--	16	16
Bulk Terminal	31	--	--	--	--	31
Pipeline	--	--	--	--	--	--
Reformulated (Blended with Fuel Ethanol)	31	--	--	--	16	47
Refinery	--	--	--	--	16	16
Bulk Terminal	31	--	--	--	--	31
Pipeline	--	--	--	--	--	--

See footnotes at end of table.

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Reformulated (Other)	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	—	—
Pipeline	—	—	—	—	—	—
Conventional	3,770	7,134	9,404	1,674	3,122	25,104
Refinery	36	1,654	3,418	719	1,113	6,940
Bulk Terminal	1,809	2,663	4,172	716	1,820	11,180
Pipeline	1,925	2,817	1,814	239	189	6,984
Conventional (Blended with Fuel Ethanol)	46	182	—	54	9	291
Refinery	—	—	—	54	—	54
Bulk Terminal	46	182	—	—	9	237
Pipeline	—	—	—	—	—	—
Ed55 and Lower	46	182	—	54	—	282
Refinery	—	—	—	54	—	54
Bulk Terminal	46	182	—	—	—	228
Pipeline	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Refinery	—	—	—	—	—	—
Bulk Terminal	—	—	—	—	9	9
Pipeline	—	—	—	—	—	—
Conventional (Other)	3,724	6,952	9,404	1,620	3,113	24,813
Refinery	36	1,654	3,418	665	1,113	6,886
Bulk Terminal	1,763	2,481	4,172	716	1,811	10,943
Pipeline	1,925	2,817	1,814	239	189	6,984
Finished Aviation Gasoline	259	92	444	4	310	1,109
Refinery	—	40	274	4	160	478
Bulk Terminal	259	52	170	—	150	631
Pipeline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	9,822	6,630	13,456	702	9,481	40,091
Refinery	219	1,609	4,617	317	3,358	10,120
Bulk Terminal	6,478	3,548	5,924	298	5,365	21,613
Pipeline	3,125	1,473	2,915	87	758	8,358
Kerosene	2,026	149	177	1	7	2,360
Refinery	77	65	73	1	1	217
Bulk Terminal	1,868	84	94	—	6	2,052
Pipeline	81	—	10	—	—	91
Distillate Fuel Oil²	65,387	35,313	61,028	4,037	13,149	178,914
Refinery	1,297	6,047	14,839	1,667	5,280	29,130
Bulk Terminal	56,586	20,974	29,848	1,624	6,018	115,050
Pipeline	7,504	8,292	16,341	746	1,851	34,734
15 ppm sulfur and Under	60,949	34,487	54,460	3,817	12,077	165,790
Refinery	1,117	5,472	11,957	1,472	4,588	24,606
Bulk Terminal	52,710	20,895	26,703	1,601	5,742	107,651
Pipeline	7,122	8,120	15,800	744	1,747	33,533
Greater than 15 ppm to 500 ppm sulfur	1,662	291	1,774	125	398	4,250
Refinery	33	65	1,147	100	295	1,640
Bulk Terminal	1,628	70	492	23	13	2,226
Pipeline	1	156	135	2	90	384
Greater than 500 ppm sulfur	2,776	535	4,794	95	674	8,874
Refinery	147	510	1,735	95	397	2,884
Bulk Terminal	2,248	9	2,653	—	263	5,173
Pipeline	381	16	406	—	14	817
Residual Fuel Oil	9,588	1,261	18,210	235	5,476	34,770
Refinery	266	911	3,838	235	2,187	7,437
Bulk Terminal	9,322	350	14,372	—	3,289	27,333
Pipeline	—	—	—	—	—	—
Less than 0.31% Sulfur	1,000	50	1,940	30	905	3,925
Refinery	21	46	28	30	17	142
Bulk Terminal	979	4	1,912	—	888	3,783
0.31% to 1.00% Sulfur	2,830	416	2,590	12	450	6,298
Refinery	121	228	541	12	123	1,025
Bulk Terminal	2,709	188	2,049	—	327	5,273
Greater than 1.00% Percent Sulfur	5,758	795	13,680	193	4,121	24,547
Refinery	124	637	3,269	193	2,047	6,270
Bulk Terminal	5,634	158	10,411	—	2,074	18,277
Petrochemical Feedstocks	—	509	2,207	—	1	2,717
Refinery	—	509	2,207	—	1	2,717
Naphtha for Petrochemical Feedstock Use	—	392	1,528	—	1	1,921
Other Oils for Petrochemical Feedstock Use	—	117	679	—	—	796
Special Naphthas	34	160	791	—	59	1,044
Refinery	16	107	782	—	59	964
Bulk Terminal	18	53	9	—	—	80
Lubricants	1,115	611	7,777	—	730	10,233
Refinery	603	132	4,618	—	541	5,894
Bulk Terminal	512	479	3,159	—	189	4,339
Waxes	239	36	216	—	—	491
Refinery	239	36	216	—	—	491
Petroleum Coke	—	2,269	2,974	157	1,383	6,783
Refinery	—	2,269	2,974	157	1,383	6,783
Asphalt and Road Oil	7,000	10,004	4,972	1,593	2,209	25,778
Refinery	523	4,103	2,267	685	578	8,156
Bulk Terminal	6,477	5,901	2,705	908	1,631	17,622

Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, August 2020
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
Miscellaneous Products	53	103	369	17	109	651
Refinery	51	103	369	17	109	649
Bulk Terminal	2	—	—	—	—	2
Pipeline	—	—	—	—	—	—
Total Stocks, All Oils	193,848	332,730	1,361,711	50,029	145,352	2,083,670

— = Not Applicable.

— = No Data Reported.

Lease stocks were excluded from crude oil stocks beginning with data for July 2016 (see explanatory notes).

¹ Crude oil stocks in the Strategic Petroleum Reserve include non-U.S. stocks held under foreign or commercial storage agreements.

² Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Includes stocks held at fuel ethanol production facilities.

³ Includes stocks held by merchant producers.

⁴ Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

⁵ Renewable diesel fuel includes biodiesel and other renewable diesel.

Note: Stocks are reported as of the last day of the month.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, August 2020
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components ¹			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
PAD District 1	31	1,845	1,876	15,537	30,755	46,292	1,945
Connecticut	—	—	—	1,379	33	1,412	66
Delaware	—	—	—	698	490	1,188	45
District of Columbia	—	—	—	—	—	—	—
Florida	—	801	801	—	5,129	5,129	—
Georgia	—	267	267	—	2,205	2,205	—
Maine	—	—	—	346	386	732	245
Maryland	—	—	—	1,636	79	1,715	110
Massachusetts	4	—	4	1,808	—	1,808	56
New Hampshire	—	—	—	—	—	—	—
New Jersey	—	221	221	5,755	11,056	16,811	468
New York	27	8	35	844	2,143	2,987	621
North Carolina	—	206	206	—	2,567	2,567	179
Pennsylvania	—	20	20	648	4,029	4,677	80
Rhode Island	—	—	—	909	—	909	—
South Carolina	—	183	183	—	1,239	1,239	2
Vermont	—	46	46	—	—	—	6
Virginia	—	43	43	1,514	1,267	2,781	67
West Virginia	—	50	50	—	132	132	—
PAD District 2	—	4,317	4,317	4,225	28,787	33,012	149
Illinois	—	401	401	2,224	4,033	6,257	63
Indiana	—	266	266	866	4,117	4,983	1
Iowa	—	196	196	—	1,724	1,724	—
Kansas	—	402	402	—	2,748	2,748	19
Kentucky	—	261	261	348	1,105	1,453	—
Michigan	—	154	154	17	2,502	2,519	—
Minnesota	—	441	441	—	2,067	2,067	—
Missouri	—	255	255	295	600	895	—
Nebraska	—	74	74	—	701	701	—
North Dakota	—	131	131	—	661	661	—
Ohio	—	898	898	3	3,011	3,014	11
Oklahoma	—	530	530	—	2,327	2,327	—
South Dakota	—	68	68	—	328	328	—
Tennessee	—	139	139	—	1,798	1,798	—
Wisconsin	—	101	101	472	1,065	1,537	55
PAD District 3	—	7,590	7,590	6,076	54,671	60,747	167
Alabama	—	122	122	14	1,344	1,358	4
Arkansas	—	149	149	12	779	791	—
Louisiana	—	1,829	1,829	240	12,707	12,947	35
Mississippi	—	1,789	1,789	7	2,040	2,047	—
New Mexico	—	15	15	—	473	473	—
Texas	—	3,686	3,686	5,803	37,328	43,131	128
PAD District 4	—	1,435	1,435	—	4,774	4,774	1
Colorado	—	252	252	—	1,455	1,455	—
Idaho	—	322	322	—	117	117	—
Montana	—	350	350	—	1,197	1,197	—
Utah	—	80	80	—	1,150	1,150	1
Wyoming	—	431	431	—	855	855	—
PAD District 5	16	2,933	2,949	11,195	12,859	24,054	7
Alaska	—	954	954	—	—	—	6
Arizona	—	56	56	735	352	1,087	—
California	16	384	400	10,408	6,279	16,687	1
Hawaii	—	485	485	—	838	838	—
Nevada	—	263	263	15	359	374	—
Oregon	—	78	78	—	1,440	1,440	—
Washington	—	713	713	37	3,591	3,628	—
U.S. Total	47	18,120	18,167	37,033	131,846	168,879	2,269

See footnotes at end of table.

Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, August 2020
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil ¹				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
PAD District 1	53,827	1,661	2,395	57,883	9,588	7,394
Connecticut	5,656	—	—	5,656	18	—
Delaware	361	22	44	427	645	11
District of Columbia	—	—	—	—	—	—
Florida	2,132	156	—	2,288	1,450	577
Georgia	1,592	—	—	1,592	272	12
Maine	2,266	4	27	2,297	76	—
Maryland	4,661	—	—	4,661	699	1
Massachusetts	2,446	29	357	2,832	171	—
New Hampshire	650	—	—	650	46	626
New Jersey	17,242	859	1,388	19,489	3,710	45
New York	6,239	65	93	6,397	1,868	1,622
North Carolina	1,416	—	8	1,424	—	414
Pennsylvania	4,423	21	168	4,612	179	2,681
Rhode Island	1,538	—	—	1,538	—	—
South Carolina	757	—	—	757	102	903
Vermont	106	—	—	106	—	—
Virginia	2,182	497	310	2,989	352	2
West Virginia	160	8	—	168	—	93
PAD District 2	26,367	135	519	27,021	1,261	22,375
Illinois	3,533	—	—	3,533	489	1,039
Indiana	3,882	—	63	3,945	67	471
Iowa	2,819	1	—	2,820	1	494
Kansas	2,147	—	—	2,147	23	13,158
Kentucky	729	18	—	747	—	248
Michigan	1,358	—	—	1,358	236	5,367
Minnesota	2,068	—	100	2,168	160	346
Missouri	702	51	4	757	1	152
Nebraska	924	—	—	924	—	376
North Dakota	1,072	1	—	1,073	28	52
Ohio	1,880	—	111	1,991	121	537
Oklahoma	2,011	56	128	2,195	60	76
South Dakota	766	—	—	766	—	18
Tennessee	956	—	—	956	63	1
Wisconsin	1,520	8	113	1,641	12	40
PAD District 3	38,660	1,639	4,388	44,687	18,210	48,609
Alabama	1,773	3	24	1,800	701	18
Arkansas	1,087	—	—	1,087	—	31
Louisiana	4,659	922	1,419	7,000	9,632	3,273
Mississippi	2,143	375	143	2,661	537	3,970
New Mexico	326	—	—	326	99	3
Texas	28,672	339	2,802	31,813	7,241	41,314
PAD District 4	3,073	123	95	3,291	235	1,451
Colorado	577	—	—	577	11	25
Idaho	325	—	—	325	—	—
Montana	981	70	—	1,051	72	28
Utah	524	11	95	630	65	1,313
Wyoming	666	42	—	708	87	85
PAD District 5	10,330	308	660	11,298	5,476	2,908
Alaska	1,039	—	65	1,104	148	4
Arizona	582	—	—	582	—	1,835
California	5,117	295	407	5,819	3,530	618
Hawaii	407	—	186	593	704	105
Nevada	324	—	2	326	—	—
Oregon	1,053	—	—	1,053	150	—
Washington	1,808	13	—	1,821	944	346
U.S. Total	132,257	3,866	8,057	144,180	34,770	82,737

— = No Data Reported.

¹ Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, August 2020
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
Crude Oil	672	26	0	2,519	36,833	7,562	5,586	1,319	13,365
Petroleum Products	17,101	53	0	21,089	42,437	9,992	4,407	88,511	15,206
Natural Gas Liquids	7,056	29	0	7,176	31,213	6,327	683	907	5,331
Ethane	5,268	0	—	0	14,315	855	—	0	701
Propane	993	29	0	5,398	9,662	2,842	273	907	806
Normal Butane	126	0	0	1,559	3,310	1,231	213	0	196
Isobutane	366	0	0	219	1,331	441	197	0	600
Natural Gasoline	303	0	—	0	2,595	958	—	0	3,028
Refinery Olefins	0	0	—	540	363	—	—	0	0
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	0	0	—	540	363	—	—	0	0
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	43	0	0	0	187	—	0	0	10
Motor Gasoline Blending Components	6,807	0	0	1,151	1,589	1,891	0	53,687	5,478
Reformulated - RBOB	0	0	0	0	187	—	0	9,058	2,338
Conventional	6,807	0	0	1,151	1,402	1,891	0	44,629	3,140
CBOB	6,807	0	0	1,151	1,193	1,891	0	44,629	2,695
GTAB	—	—	—	—	—	—	—	—	—
Other	0	0	0	—	209	—	0	—	445
Renewable Fuels	0	0	0	8,839	6,406	451	3,645	260	0
Fuel Ethanol	0	0	0	8,759	5,963	431	3,520	225	0
Renewable Diesel Fuel ²	0	0	0	80	444	20	124	35	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	138	0	0	746	208	215	0	2,304	790
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	138	0	0	746	208	215	0	2,304	790
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	138	0	0	746	208	215	0	2,304	790
Finished Aviation Gasoline	0	0	—	0	0	—	—	42	10
Kerosene-Type Jet Fuel	237	0	0	108	60	381	0	6,740	1,602
Kerosene	—	0	—	0	0	—	—	438	—
Distillate Fuel Oil	2,820	0	0	1,028	1,317	727	0	23,208	1,547
15 ppm sulfur and under	2,820	0	0	1,028	1,317	727	0	22,487	1,383
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—	—	144	164
Greater than 500 ppm sulfur	—	0	—	0	0	—	—	577	—
Residual Fuel Oil	0	0	—	53	437	—	—	72	0
Petrochemical Feedstocks	0	0	—	—	70	—	—	—	25
Naphtha for Petrochemical Feedstock Use	0	0	—	—	70	—	—	—	25
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	0	0	—	—	0	—	—	—	18
Lubricants	0	0	—	0	0	—	—	544	173
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	24	0	485	455	0	0	0	0
Asphalt and Road Oil	0	0	0	918	132	0	80	310	222
Miscellaneous Products	0	—	—	45	—	—	—	0	0
Total	17,773	79	0	23,608	79,270	17,554	9,993	89,830	28,571

See footnotes at end of table.

Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail ¹ Between PAD Districts, August 2020
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
Crude Oil	0	0	0	26,204	278	0	0	0	0
Petroleum Products	0	5,283	0	17,697	4,527	2,028	0	0	25
Natural Gas Liquids	0	40	0	16,443	4,309	48	0	0	0
Ethane	0	—	0	3,832	2,324	—	0	0	0
Propane	0	0	0	6,560	894	28	0	0	0
Normal Butane	0	14	0	2,618	305	7	0	0	0
Isobutane	0	26	0	1,237	250	13	0	0	0
Natural Gasoline	0	—	0	2,196	536	—	0	0	0
Refinery Olefins	—	—	0	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—	—	—	—
Propylene	—	—	0	0	0	—	0	0	—
Normal Butylene	—	—	—	—	—	—	—	—	—
Isobutylene	—	—	—	—	—	—	—	—	—
Unfinished Oils	—	0	0	0	0	0	0	0	—
Motor Gasoline Blending Components	0	3,507	0	163	0	928	0	0	0
Reformulated - RBOB	—	2,111	0	0	0	0	0	0	—
Conventional	0	1,396	0	163	0	928	0	0	0
CBOB	0	1,346	0	163	0	928	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	50	—	0	0	0	—	0	—
Renewable Fuels	0	202	0	0	0	0	0	0	0
Fuel Ethanol	0	44	0	0	0	0	0	0	0
Renewable Diesel Fuel ²	0	158	0	0	0	0	0	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	0	0	0	436	0	463	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	0	0	0	436	0	463	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	0	0	0	436	0	463	0	0	0
Finished Aviation Gasoline	—	—	0	0	0	—	0	0	—
Kerosene-Type Jet Fuel	0	264	0	27	0	0	0	0	0
Kerosene	—	—	0	—	0	—	0	0	—
Distillate Fuel Oil	0	925	0	401	0	249	0	0	0
15 ppm sulfur and under	0	925	0	401	0	249	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur	—	—	0	—	0	—	0	0	—
Residual Fuel Oil	—	—	0	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—	—	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—	—	0	—
Lubricants	—	—	0	0	0	—	0	0	—
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	0	0	0	0	129	93	0	0	25
Asphalt and Road Oil	0	345	0	227	88	247	0	0	0
Miscellaneous Products	—	—	0	0	—	—	0	—	—
Total	0	5,283	0	43,901	4,805	2,028	0	0	25

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2020
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
Crude Oil	176	26	195	36,397	7,562	116	13,365	0	-
Petroleum Products	16,888	0	8,458	32,878	9,541	70,705	13,337	0	4,646
Natural Gas Liquids	6,971	0	6,301	30,104	6,327	863	4,973	0	-
Ethane	5,268	0	0	14,315	855	0	701	0	-
Propane	964	0	4,853	8,954	2,842	863	771	0	-
Normal Butane	126	0	1,448	3,103	1,231	0	196	0	-
Isobutane	310	0	0	1,137	441	0	277	0	-
Natural Gasoline	303	0	0	2,595	958	0	3,028	0	-
Motor Gasoline Blending Components	6,807	0	540	1,293	1,891	43,958	5,054	0	3,457
Reformulated - RBOB	0	0	0	187	-	9,058	2,338	-	2,111
Conventional	6,807	0	540	1,106	1,891	34,900	2,716	0	1,346
CBOB	6,807	0	540	1,106	1,891	34,900	2,695	0	1,346
GTAB	-	-	-	-	-	-	-	-	-
Other	0	0	-	0	-	-	21	-	-
Renewable Fuels	-	-	-	-	-	-	-	-	-
Fuel Ethanol	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel ¹	-	-	-	-	-	-	-	-	-
Other Renewable Fuels	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline	138	0	656	159	215	1,005	712	0	0
Reformulated	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	138	0	656	159	215	1,005	712	0	0
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-	-	-	-
Conventional Other	138	0	656	159	215	1,005	712	0	0
Finished Aviation Gasoline	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel	237	0	108	60	381	5,361	1,126	0	264
Kerosene	-	0	0	0	-	150	-	-	-
Distillate Fuel Oil	2,735	0	808	1,262	727	19,368	1,472	0	925
15 ppm sulfur and under	2,735	0	808	1,262	727	18,647	1,308	0	925
Greater than 15 ppm to 500 ppm sulfur	0	0	0	0	-	144	164	-	-
Greater than 500 ppm sulfur	-	0	0	0	-	577	-	-	-
Residual Fuel Oil	-	-	-	-	-	-	-	-	-
Miscellaneous Products	0	-	45	-	-	0	0	-	-
Total	17,064	26	8,653	69,275	17,103	70,821	26,702	0	4,646

See footnotes at end of table.

Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, August 2020
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
Crude Oil	0	26,204	278	—	0	0
Petroleum Products	0	17,470	4,309	1,640	0	0
Natural Gas Liquids	0	16,443	4,309	—	0	0
Ethane	0	3,832	2,324	—	0	0
Propane	0	6,560	894	—	0	0
Normal Butane	0	2,618	305	—	0	0
Isobutane	0	1,237	250	—	0	0
Natural Gasoline	0	2,196	536	—	0	0
Motor Gasoline Blending Components	0	163	0	928	0	0
Reformulated - RBOB	0	0	0	0	0	—
Conventional	0	163	0	928	0	0
CBOB	0	163	0	928	0	0
GTAB	—	—	—	—	—	—
Other	—	0	0	—	0	—
Renewable Fuels	—	—	—	—	—	—
Fuel Ethanol	—	—	—	—	—	—
Renewable Diesel Fuel ¹	—	—	—	—	—	—
Other Renewable Fuels	—	—	—	—	—	—
Finished Motor Gasoline	0	436	0	463	0	0
Reformulated	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—
Conventional	0	436	0	463	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—
Conventional Other	0	436	0	463	0	0
Finished Aviation Gasoline	—	—	—	—	—	—
Kerosene-Type Jet Fuel	0	27	0	0	0	0
Kerosene	0	—	0	—	0	—
Distillate Fuel Oil	0	401	0	249	0	0
15 ppm sulfur and under	0	401	0	249	0	0
Greater than 15 ppm to 500 ppm sulfur	0	0	0	—	0	—
Greater than 500 ppm sulfur	0	—	0	—	0	—
Residual Fuel Oil	—	—	—	—	—	—
Miscellaneous Products	0	0	—	—	—	—
Total	0	43,674	4,587	1,640	0	0

— = Not Applicable.

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 2020
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
Crude Oil	496	0	-	240	298	-
Petroleum Products	128	0	0	1,577	1,308	0
Natural Gas Liquids	-	0	-	0	0	-
Ethane	-	-	-	-	-	-
Propane	-	0	-	0	0	-
Normal Butane	-	-	-	-	-	-
Isobutane	-	-	-	-	-	-
Natural Gasoline	-	-	-	-	-	-
Unfinished Oils	43	0	-	0	187	-
Motor Gasoline Blending Components	0	0	0	611	296	0
Reformulated - RBOB	-	-	-	-	-	-
Conventional	0	0	0	611	296	0
CBOB	0	0	-	611	87	-
GTAB	-	-	-	-	-	-
Other	0	0	0	-	209	0
Renewable Fuels	0	0	0	442	158	0
Fuel Ethanol	0	0	-	442	148	-
Renewable Diesel Fuel ¹	0	0	0	-	10	0
Other Renewable Fuels	-	-	-	-	-	-
Finished Motor Gasoline	0	0	-	90	49	-
Reformulated	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol	-	-	-	-	-	-
Reformulated Other	-	-	-	-	-	-
Conventional	0	0	-	90	49	-
Conventional Blended with Fuel Ethanol	-	-	-	-	-	-
Ed55 and Lower	-	-	-	-	-	-
Greater than Ed55	-	-	-	-	-	-
Conventional Other	0	0	-	90	49	-
Finished Aviation Gasoline	0	0	-	0	0	-
Kerosene-Type Jet Fuel	0	0	-	0	0	-
Kerosene	-	0	-	0	0	-
Distillate Fuel Oil	85	0	-	220	55	-
15 ppm sulfur and under	85	0	-	220	55	-
Greater than 15 ppm to 500 ppm sulfur	-	-	-	-	-	-
Greater than 500 ppm sulfur	-	-	-	-	-	-
Residual Fuel Oil	0	0	-	53	437	-
Less than 0.31 percent sulfur	-	-	-	-	-	-
0.31 to 1.00 percent sulfur	0	0	-	0	402	-
Greater than 1.00 percent sulfur	0	0	-	53	35	-
Petrochemical Feedstocks	0	0	-	-	70	-
Naphtha for Petrochemical Feedstock Use	0	0	-	-	70	-
Other Oils for Petrochemical Feedstock Use	-	-	-	-	-	-
Special Naphthas	0	0	-	-	0	-
Lubricants	0	0	-	0	0	-
Waxes	-	-	-	-	-	-
Marketable Petroleum Coke	-	-	-	-	-	-
Asphalt and Road Oil	0	0	-	161	56	-
Miscellaneous Products	-	-	-	-	-	-
Total	624	0	0	1,817	1,606	0

See footnotes at end of table.

Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, August 2020
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
Crude Oil	1,203	—	1,203	—	0	—	0	0	0
Petroleum Products	17,687	—	623	17,064	1,392	101	0	0	0
Natural Gas Liquids	17	—	—	17	—	—	0	—	0
Ethane	—	—	—	—	—	—	—	—	—
Propane	17	—	—	17	—	—	0	—	0
Normal Butane	—	—	—	—	—	—	—	—	—
Isobutane	—	—	—	—	—	—	—	—	—
Natural Gasoline	—	—	—	—	—	—	—	—	—
Unfinished Oils	0	—	—	—	10	—	0	0	0
Motor Gasoline Blending Components	9,729	—	—	9,729	424	50	0	0	0
Reformulated - RBOB	—	—	—	—	—	—	—	—	—
Conventional	9,729	—	—	9,729	424	50	0	0	0
CBOB	9,729	—	—	9,729	0	—	0	0	0
GTAB	—	—	—	—	—	—	—	—	—
Other	—	—	—	—	424	50	—	0	0
Renewable Fuels	225	—	—	225	0	51	0	0	0
Fuel Ethanol	225	—	—	225	0	—	0	0	0
Renewable Diesel Fuel ¹	—	—	—	—	0	51	—	0	0
Other Renewable Fuels	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline	1,299	—	—	1,299	78	—	0	0	0
Reformulated	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	1,299	—	—	1,299	78	—	0	0	0
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	1,299	—	—	1,299	78	—	0	0	0
Finished Aviation Gasoline	42	—	—	42	10	—	0	0	0
Kerosene-Type Jet Fuel	1,379	—	—	1,379	476	—	0	0	0
Kerosene	288	—	288	—	—	—	0	—	0
Distillate Fuel Oil	3,840	—	—	3,840	75	—	0	0	0
15 ppm sulfur and under	3,840	—	—	3,840	75	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur	—	—	—	—	—	—	—	—	—
Residual Fuel Oil	72	—	—	72	0	—	0	0	0
Less than 0.31 percent sulfur	—	—	—	—	—	—	—	—	—
0.31 to 1.00 percent sulfur	72	—	—	72	0	—	0	0	0
Greater than 1.00 percent sulfur	0	—	—	—	0	—	0	0	0
Petrochemical Feedstocks	—	—	—	—	25	—	—	0	0
Naphtha for Petrochemical Feedstock Use	—	—	—	—	25	—	—	0	0
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—	—	—	—
Special Naphthas	—	—	—	—	18	—	—	0	0
Lubricants	544	—	335	209	173	—	0	0	0
Waxes	—	—	—	—	—	—	—	—	—
Marketable Petroleum Coke	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	252	—	—	252	103	—	0	0	0
Miscellaneous Products	—	—	—	—	—	—	—	—	—
Total	18,890	—	1,826	17,064	1,392	101	0	0	0

— = No Data Reported.

¹ Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, August 2020
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil	0	0	–	0	2,084	138	–	5,586
Propane	29	29	0	0	545	708	0	273
Propylene	0	0	–	–	540	363	–	–
Normal Butane	0	0	0	0	111	207	0	213
Isobutane	56	0	0	0	219	194	0	197
Fuel Ethanol	0	0	0	0	8,317	5,815	431	3,520
Biodiesel	0	0	0	0	80	434	20	124
Marketable Petroleum Coke	0	24	0	0	485	455	0	0
Asphalt and Road Oil	0	0	0	0	757	76	0	80

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil	0	0	–	0	0	0	0	0
Propane	27	35	0	0	0	0	0	28
Propylene	0	0	–	–	0	0	0	–
Normal Butane	0	0	0	14	0	0	0	7
Isobutane	0	323	0	26	0	0	0	13
Fuel Ethanol	0	0	0	44	0	0	0	0
Biodiesel	35	0	0	107	0	0	0	0
Marketable Petroleum Coke	0	0	0	0	0	0	129	93
Asphalt and Road Oil	58	119	0	345	0	227	88	247

Commodity	From 5 to			
	1	2	3	4
Crude Oil	0	0	0	–
Propane	0	0	0	0
Propylene	0	0	0	–
Normal Butane	0	0	0	0
Isobutane	0	0	0	0
Fuel Ethanol	0	0	0	0
Biodiesel	0	0	0	0
Marketable Petroleum Coke	0	0	0	25
Asphalt and Road Oil	0	0	0	0

– = No Data Reported.
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, August 2020
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
From 1 to				
2	176	496	0	672
3	26	0	0	26
4	0	—	—	0
5	—	—	0	0
From 2 to				
1	195	240	2,084	2,519
3	36,397	298	138	36,833
4	7,562	—	—	7,562
5	—	—	5,586	5,586
From 3 to				
1	116	1,203	0	1,319
2	13,365	0	0	13,365
4	0	—	—	0
5	—	—	0	0
From 4 to				
1	0	0	0	0
2	26,204	0	0	26,204
3	278	0	0	278
5	—	—	0	0
From 5 to				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	—	—	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, August 2020
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	3,838	698	3,140	40,241	52,500	-12,259	37,137	14,684	22,453
Petroleum Products	109,600	17,154	92,446	50,004	77,925	-27,921	47,016	109,000	-61,984
Natural Gas Liquids	8,083	7,085	998	28,830	45,399	-16,569	35,551	6,278	29,273
Ethane	0	5,268	-5,268	9,801	15,170	-5,369	16,639	701	15,938
Propane	6,305	1,022	5,283	8,359	18,175	-9,816	10,585	1,713	8,872
Normal Butane	1,559	126	1,433	2,940	6,313	-3,373	3,615	210	3,405
Isobutane	219	366	-147	2,203	2,188	15	1,581	626	955
Natural Gasoline	0	303	-303	5,527	3,553	1,974	3,131	3,028	103
Refinery Olefins	540	0	540	0	903	-903	363	0	363
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	540	0	540	0	903	-903	363	0	363
Normal Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	43	-43	53	187	-134	187	10	177
Motor Gasoline Blending Components	54,838	6,807	48,031	12,448	4,631	7,817	1,589	62,672	-61,083
Reformulated - RBOB	9,058	0	9,058	2,338	187	2,151	187	13,507	-13,320
Conventional	45,780	6,807	38,973	10,110	4,444	5,666	1,402	49,165	-47,763
CBOB	45,780	6,807	38,973	9,665	4,235	5,430	1,193	48,670	-47,477
GTAB	0	0	-	-	-	-	-	-	-
Other	0	0	-	445	209	236	209	495	-286
Renewable Fuels	9,099	0	9,099	0	19,341	-19,341	6,406	462	5,945
Fuel Ethanol	8,984	0	8,984	0	18,672	-18,672	5,963	269	5,694
Renewable Diesel Fuel ²	115	0	115	0	669	-669	444	193	251
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	3,050	138	2,912	1,364	1,169	195	208	3,094	-2,886
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	3,050	138	2,912	1,364	1,169	195	208	3,094	-2,886
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	3,050	138	2,912	1,364	1,169	195	208	3,094	-2,886
Finished Aviation Gasoline	42	0	42	10	0	10	0	52	-52
Kerosene-Type Jet Fuel	6,848	237	6,611	1,866	549	1,317	60	8,606	-8,546
Kerosene	438	0	438	0	0	-	0	438	-438
Distillate Fuel Oil	24,236	2,820	21,416	4,768	3,072	1,696	1,317	25,680	-24,363
15 ppm sulfur and under	23,515	2,820	20,695	4,604	3,072	1,532	1,317	24,795	-23,478
Greater than 15 ppm to 500 ppm sulfur	144	0	144	164	0	164	0	308	-308
Greater than 500 ppm sulfur	577	0	577	0	0	-	0	577	-577
Residual Fuel Oil	125	0	125	0	490	-490	437	72	365
Petrochemical Feedstocks	0	0	-	25	70	-45	70	25	45
Naphtha for Petrochemical Feedstock Use	0	0	-	25	70	-45	70	25	45
Other Oils for Petrochemical Feedstock Use	-	-	-	0	0	-	0	0	-
Special Naphthas	0	0	-	18	0	18	0	18	-18
Lubricants	544	0	544	173	0	173	0	717	-717
Waxes	0	0	-	0	0	-	0	0	-
Marketable Petroleum Coke	485	24	461	0	940	-940	608	0	608
Asphalt and Road Oil	1,228	0	1,228	449	1,129	-681	220	877	-657
Miscellaneous Products	45	0	45	0	45	-45	0	0	-
Total	113,438	17,852	95,586	90,245	130,425	-40,180	84,153	123,684	-39,531

See footnotes at end of table.

Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail ¹ Between PAD Districts, August 2020
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
Crude Oil	7,562	26,482	-18,920	5,586	0	5,586
Petroleum Products	10,017	24,252	-14,235	11,718	25	11,694
Natural Gas Liquids	6,327	20,800	-14,473	771	0	771
Ethane	855	6,156	-5,301	0	0	—
Propane	2,842	7,482	-4,640	301	0	301
Normal Butane	1,231	2,930	-1,699	234	0	234
Isobutane	441	1,500	-1,059	236	0	236
Natural Gasoline	958	2,732	-1,774	0	0	—
Refinery Olefins	0	0	—	0	0	—
Ethylene	—	—	—	—	—	—
Propylene	0	0	—	0	0	—
Normal Butylene	0	0	—	0	0	—
Isobutylene	0	0	—	0	0	—
Unfinished Oils	0	0	—	0	0	—
Motor Gasoline Blending Components	1,891	1,091	800	4,435	0	4,435
Reformulated - RBOB	—	—	—	2,111	0	2,111
Conventional	1,891	1,091	800	2,324	0	2,324
CBOB	1,891	1,091	800	2,274	0	2,274
GTAB	—	—	—	—	—	—
Other	0	0	—	50	0	50
Renewable Fuels	451	0	451	3,847	0	3,847
Fuel Ethanol	431	0	431	3,564	0	3,564
Renewable Diesel Fuel ²	20	0	20	283	0	283
Other Renewable Fuels	—	—	—	0	0	—
Finished Motor Gasoline	215	899	-684	463	0	463
Reformulated	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol	—	—	—	0	0	—
Reformulated Other	—	—	—	—	—	—
Conventional	215	899	-684	463	0	463
Conventional Blended with Fuel Ethanol	0	0	—	0	0	—
Ed55 and Lower	0	0	—	0	0	—
Greater than Ed55	0	0	—	0	0	—
Conventional Other	215	899	-684	463	0	463
Finished Aviation Gasoline	0	0	—	0	0	—
Kerosene-Type Jet Fuel	381	27	354	264	0	264
Kerosene	0	0	—	0	0	—
Distillate Fuel Oil	727	650	77	1,174	0	1,174
15 ppm sulfur and under	727	650	77	1,174	0	1,174
Greater than 15 ppm to 500 ppm sulfur	0	0	—	0	0	—
Greater than 500 ppm sulfur	0	0	—	0	0	—
Residual Fuel Oil	0	0	—	0	0	—
Petrochemical Feedstocks	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use	—	—	—	—	—	—
Special Naphthas	—	—	—	0	0	—
Lubricants	0	0	—	0	0	—
Waxes	0	0	—	0	0	—
Marketable Petroleum Coke	25	222	-198	93	25	68
Asphalt and Road Oil	0	562	-562	672	0	672
Miscellaneous Products	0	0	—	0	0	—
Total	17,579	50,734	-33,155	17,305	25	17,280

— = No Data Reported.

¹ Movements of crude oil, propane, normal butane, isobutane, propylene, ethanol, biodiesel, marketable petroleum coke, and asphalt and road oil include movements by rail. Movements of other products are by pipeline, tanker and barge only.

² Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

PAD District I

East Coast: The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

Appalachian No. 1: The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

Sub-PAD District I

New England: The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

Central Atlantic: The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

Lower Atlantic: The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

PAD District II

Indiana-Illinois-Kentucky: The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

Minnesota-Wisconsin-North and South Dakota: The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

Oklahoma-Kansas-Missouri: The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

PAD District III

Texas Inland: The State of Texas except the Texas Gulf Coast District.

Texas Gulf Coast: The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

Louisiana Gulf Coast: The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

North Louisiana-Arkansas: The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

New Mexico: The State of New Mexico.

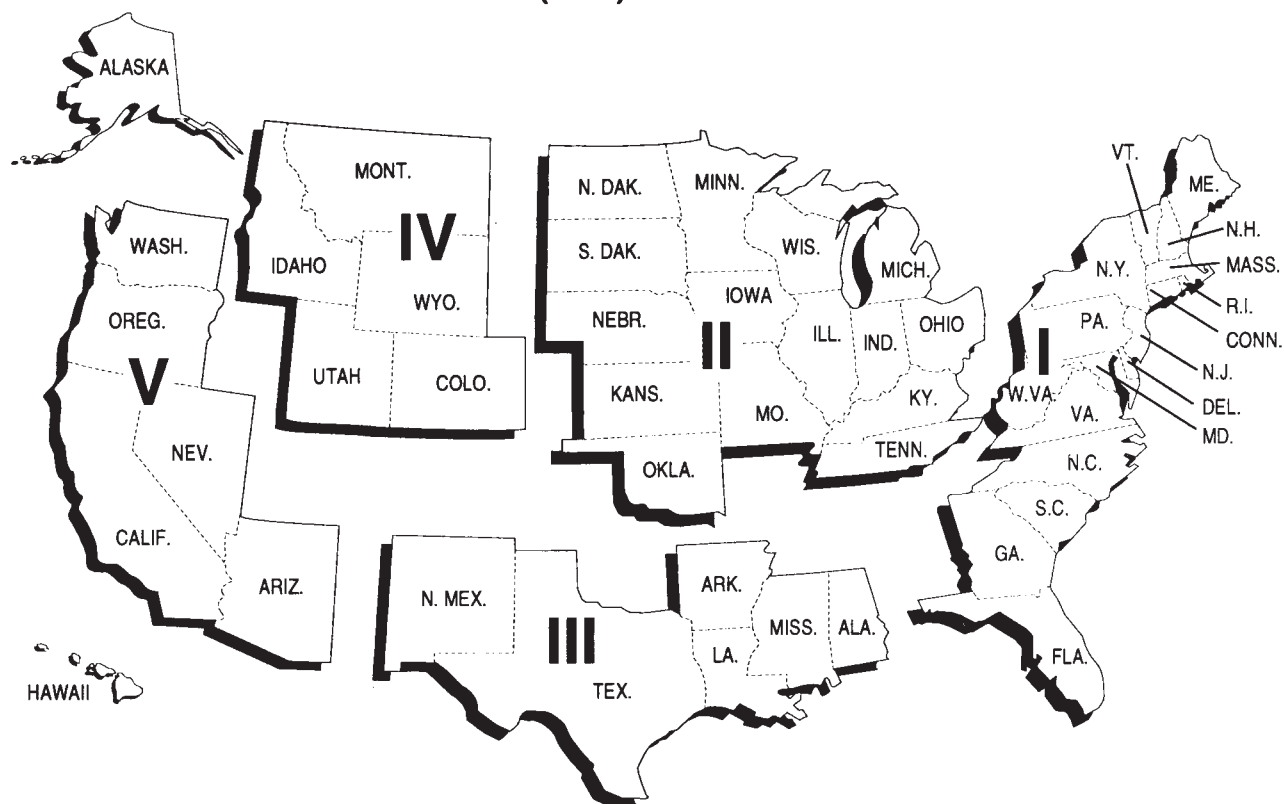
PAD District IV

Rocky Mountain: The States of Montana, Idaho, Wyoming, Utah, and Colorado.

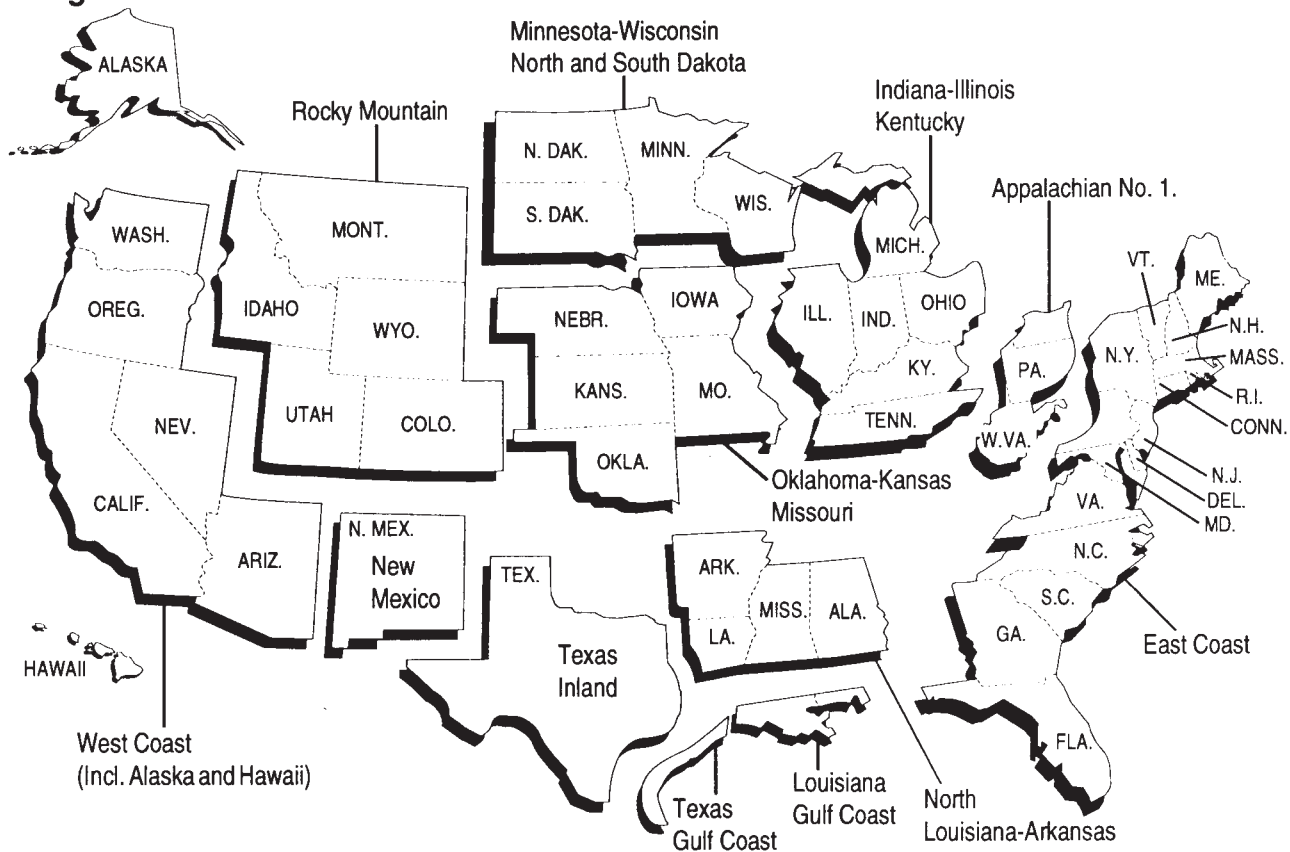
PAD District V

West Coast: The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

Petroleum Administration for Defense (PAD) Districts



Refining Districts



PSM Explanatory Notes

Preface

The *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are reports produced by the Monthly Petroleum Supply Reporting System (MPSRS) operated by the U.S. Energy Information Administration (EIA). The PSM and PSA track supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels. The reports are produced by the Office of Petroleum and Biofuel Statistics of the U.S. Energy Information Administration (EIA).

Data presented in the PSM and PSA describe supply and disposition of crude oil, hydrocarbon gas liquids, petroleum products, and biofuels in the United States, and major U.S. geographic regions with selected data available at the state level. Data describe production, imports, exports, inter-Petroleum Administration for Defense District (PADD) movements, and inventories in the United States (50 States and the District of Columbia). The reporting universe includes operators engaged in primary supply activities including refining, motor gasoline blending, natural gas processing and fractionation, inter-PADD transportation, importers, and major inventory holders. When aggregated, data reported by operators in these sectors are used to derive consumption of petroleum products in the United States.

Monthly and year-to-date data are normally released in the PSM on the last business day of each month. Monthly data are available approximately 60 days after the end of each reference month. Revised monthly data and annual totals and averages are released in the PSA usually at the end of August each year.

Appendix B. Explanatory Notes

1. Overview

A. The Energy Information Administration's Quality Guidelines

Data contained in the *Petroleum Supply Monthly* (PSM) and *Petroleum Supply Annual* (PSA) are subject to information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM and PSA are used for calculation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum product barrels from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries, bulk storage and blending terminals, natural gas processing plants and fractionators, renewable fuels and oxygenate production plants, imports, exports, , and transportation by pipelines, tankers, barges, and railroads. Total product supplied at the U.S. level is equal to the sum of field production (including production of crude oil and natural gas liquids from natural gas processing plants), refinery and blender net production, renewable fuels and oxygenate plant net production, imports, and adjustments, minus the sum of stock change, refinery and blender net inputs, and exports. Net receipts are added to supply when product supplied is calculated for Petroleum Administration for Defense Districts (PADD). Crude oil product supplied is zero after September 1997 because crude oil is processed in refineries to produce fuels and other products rather than being used directly as fuel. Data include crude oil used directly as fuel between January 1981 and September 1997.

The secondary supply chain falls between primary supply and end-users. Product barrels typically flow in bulk quantities from primary supply into secondary supply before delivery to consumers. Fuels and other products held by consumers are considered to be in tertiary supply. Secondary supply facilities and activities include storage at bulk plants and retail outlets. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, as defined by EIA, receive product only by rail or truck, but not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, fuel and nonfuel products held by end users, and certain proprietary storage of raw materials such as propane held at chemical plants for use as ethylene feedstock.

There is a delay between the time when barrels are reported as demand measured as product supplied and when the same barrels are actually

consumed. The delay is due to the time required for barrels to move from primary supply through secondary and tertiary supply chains and ultimately to end users where the barrels are actually consumed as fuel, feedstock, or for other purposes. Users of demand measured as product supplied should expect product supplied to either anticipate or lag timing of actual petroleum consumption.

C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

(1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies, the Mineral Management Service of the U.S. Department of the Interior and Form EIA-914 “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes fuel ethanol, Ethyl Tertiary Butyl Ether (ETBE), Methyl Tertiary Butyl Ether (MTBE), other fuel oxygenates, and biodiesel. This supply category also includes natural gasoline, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants and blended at fuel ethanol plants. Negative production indicates the amount of a product produced during the month was less than the amount of that same product reported as input during the same month. Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Forms EIA-810 and EIA- 815. Refinery and Blender Net Production equals refinery

and blenders production minus refinery and blender inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 62.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. EIA calculated adjustment quantities to balance supply and disposition for selected products or to reclassify one product to another product. EIA calculates product supplied as the balancing item for most products and a measure of implied demand for petroleum products. EIA uses adjustments as balance items in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

(2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, hydrocarbon gas liquids, hydrogen, renewable fuels, and other hydrocarbons) processed at refineries or

blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Refinery and blender input of natural gas liquids equal gross input of natural gas liquids received from natural gas plants for blending and processing.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery and blender input minus refinery and blender production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied values indicate quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, EIA assumed product supplied for crude oil equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

(3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of midnight on the last day of each month. Primary stocks include crude oil, hydrocarbon gas liquids, biofuels, and petroleum products held in storage at

refineries, natural gas processing plants, pipelines, tank farms, biofuel production plants, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on crude oil producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in on eia.gov were revised beginning with data for January 2005 to exclude lease stocks. Data may be accessed from the following locations on the EIA web site.

http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm

http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm

http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm

2. Components - Forms Discussions

The data presented in the *PSM* include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data collected on Form EIA-914 as well as production data from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and hydrocarbon gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the six weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery and Fractionator Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Bulk Terminal Report,"
6. EIA-809, "Weekly Oxygenate Report,"
7. EIA-22M, "Monthly Biodiesel Production Survey,"
8. EIA-810, "Monthly Refinery Report,"
9. EIA-812, "Monthly Product Pipeline Report,"
10. EIA-813, "Monthly Crude Oil Report,"
11. EIA-814, "Monthly Imports Report,"
12. EIA-815, "Monthly Bulk Terminal Report."

13. EIA-816, "Monthly Natural Gas Liquids Report"
14. EIA-817, "Monthly Tanker and Barge Movement Report"
15. EIA-819, "Monthly Oxygenate Report"
16. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

B. Monthly Supply Survey Description and Methodology

(1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: <https://www.eia.gov/survey/>

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on an annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held in pipelines, and at tank farms operated by the reporting company, and Alaskan crude oil in transit by water. Data are reported by PADD including stocks held in the 50 states and the District of Columbia. In addition to stocks, EIA uses Form EIA-813 to collect inter-PADD movements of crude oil by pipeline. EIA collects movements for shipping and receiving PADDs with no intermediate PADD movements. EIA uses Form EIA-813 to collect annual storage capacity in data for the month of March.

The Form EIA-814, "Monthly Imports Report," collects data on imports of crude oil and petroleum products (1) into the 50

States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil and unfinished oils only.

The Form EIA-815, "Monthly Bulk Terminal Report," collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on an annual basis.

The Form EIA-816, "Monthly Natural Gas Liquids Report," collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, "Monthly Tanker and Barge Movement Report," collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, "Monthly Oxygenate Report" collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership.

(2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of "Who Must Submit" participate in the survey.

The activities for frames maintenance are conducted on an

ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M "Monthly Biodiesel Production Survey" include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, "Monthly Refinery Report" include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, "Monthly Product Pipeline Report" include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, "Monthly Crude Oil Report" include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, "Monthly Imports Report" include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, "Monthly Bulk Terminal Report" include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, “Monthly Natural Gas Liquids Report” include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, “Monthly Tanker and Barge Movement Report” include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, “Monthly Oxygenate Report” include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

(3.) Collection

Survey data for the MPSRS are collected by Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

(4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies result in further review of respondent data which in turn may result in additional flagged data and imputation.

(5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported

data. Where possible, EIA uses imputed values to account for activity when a company fails to file. Depending on the survey, imputed values may be estimates based on weekly reports, estimates equal to prior-month reported quantities, or estimates based on non-survey data (e.g. imports quantities may be imputed using data provided to EIA by U.S. Customs and Border Protection). Imputation normally accounts for very small quantities in published totals because response rates to monthly surveys tend to be very high, typically exceeding 97 percent calculated as total reports received divided by total reports expected.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

(6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, “Comparison of Independent Statistics on Petroleum Supply.” Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

(7.) Dissemination

The PSM data are normally released within 60 days of the close of the reference month. The PSM is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the PSM data are available in HTML format on eia.gov. Features include: downloadable spreadsheets containing complete data history, data tables which “pivot” to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum data can be accessed at:

<http://www.eia.gov/petroleum/data.cfm>

C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of

the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

(1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, “Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report.” For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 “Domestic Crude Oil First Purchase Report.” For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, “Production of Crude Oil by PAD District and State.” Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly ([http:// www.eia.gov/petroleum/supply/monthly/](http://www.eia.gov/petroleum/supply/monthly/)) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum Supply Monthly roughly 60 days after the production month.

(2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a “Shipper’s Export Declaration Document” with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

(3.) Movements of crude oil and select products by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA’s Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-914 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Additional data from the NEB, OGSM, and the EIA-914 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, isobutane, petroleum coke, and asphalt are converted to barrels using data from the CWS.

The most current monthly STB waybill sample may not be received with sufficient lead time to be processed and included in the PSM publication. Further, STB aggregates and provides waybills based on the accounting period, while EIA is interested in the waybill date, which can differ by several months from the accounting period. In addition, waybills from non-Class I railroads might only be included in the sample for the last month of a calendar quarter. As a result, EIA may estimate anywhere from one to three months of rail movements, relying on historical averages or near-month model estimates for those months to be published in the PSM for which incomplete or no

STB data are available.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum data html tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

(4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the "lease adjustment," a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the "lease adjustment" could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

(5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL) Adjustment

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane

and natural gasoline also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

(6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

Note on MTBE Adjustment: The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), "other" motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and "other" motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and "other". During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference

to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

◦ ◦ Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional

motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

◦ Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

(7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

(8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

◦ ◦ Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of

renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15

ppm sulfur and under) through distillate fuel oil adjustments.

(9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010.

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released

(10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005

(11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD

District movements.

(12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

(13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol). Beginning with PSA data for 2019, EIA excluded oxygenates supply and disposition from U.S. and regional balance tables.

3. Quality

A. General Discussion

(1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

(2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

(3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the *PSM* has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the *PSA*. These values reflect all *PSM* resubmissions and other data corrections. The values contained in the *PSA* are EIA’s most accurate measure of petroleum supply activity.

(4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the previously published Petroleum Supply Annual every month in petroleum data tables (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in petroleum data tables.

B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, “Monthly Imports Report,” have the same general disclosure information statement. The information reported on Form EIA-814 will be considered “public information” and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form. In addition, biofuel production capacity data reported on Form EIA-819 and Form EIA-22M will be released in company identifiable form. Refinery distillation capacity collected on Form EIA-810 also may be released in company identifiable form. EIA releases annual refinery input and production capacities in company identifiable form each year in the Annual Refinery Capacity Report.

Except as described above, information reported on Forms EIA-810

through 813, 815 through 817, 819, 820, and 22M will be protected and not disclosed to the public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data

aggregated and published from these survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
Kinder Morgan Liq Terminals LLC	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	86
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

Definitions of Petroleum Products and Other Terms

(Revised August 2020)

Alcohol. The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group; $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$ (e.g., methanol, ethanol, and tertiary butyl alcohol).

Alkylate. The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

Alkylation. A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.

API Gravity. An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

Aromatics. Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

Asphalt. A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

ASTM. The acronym for the American Society for Testing and Materials.

Atmospheric Crude Oil Distillation. The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

Aviation Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

Aviation Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

Barrel. A unit of volume equal to 42 U.S. gallons.

Barrels Per Calendar Day. The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

Barrels Per Stream Day. The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

Benzene (C_6H_6). An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

Biomass-Based Diesel Fuel. Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

Blending Components. See *Motor or Aviation Gasoline Blending Components*.

Blending Plant. A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

Bonded Petroleum Imports. Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

BTX. The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

Bulk Station. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

Bulk Terminal. A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

Butane (C_4H_{10}). A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

Normal Butane (C_4H_{10}). A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

Refinery-Grade Butane (C_4H_{10}). A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

Butylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes.

Captive Refinery Oxygenate Plants. Oxygenate production facilities located within or adjacent to a refinery complex.

Catalytic Cracking. The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

Fresh Feeds. Crude oil or petroleum distillates which are being fed to processing units for the first time.

Recycled Feeds. Feeds that are continuously fed back for additional processing.

Catalytic Hydrocracking. A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

Catalytic Hydrotreating. A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

Catalytic Reforming. A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

Low Pressure. A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

High Pressure. A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

Charge Capacity. The input (feed) capacity of the refinery processing facilities.

Coal. A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

Commercial Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Conventional Blendstock for Oxygenate Blending (CBOB). See *Motor Gasoline Blending Components*.

Conventional Gasoline. See *Motor Gasoline (Finished)*.

Crude Oil. A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

Domestic. Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

Foreign. Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

Crude Oil, Refinery Receipts. Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

Crude Oil Losses. Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

Crude Oil Production. The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

Crude Oil Qualities. Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

Delayed Coking. A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

Desulfurization. The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

Disposition. The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

Distillate Fuel Oil. A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

No. 1 Distillate. A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 1 Diesel Fuel. A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

No. 1 Fuel Oil. A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

No. 2 Distillate. A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

No. 2 Diesel Fuel. A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

Low Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

High Sulfur No. 2 Diesel Fuel. No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

No. 2 Fuel Oil (Heating Oil). A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

No. 4 Fuel. A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

No. 4 Diesel Fuel. See **No. 4 Fuel**.

No. 4 Fuel Oil. See **No. 4 Fuel**.

Electricity (Purchased). Electricity purchased for refinery operations that is not produced within the refinery complex.

Ending Stocks. Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

ETBE (Ethyl tertiary butyl ether) (CH₃)₃COC₂H₅. An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

Ethane (C₂H₆). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

Ether. A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

Ethylene (C₂H₄). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

Exports. Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Field Production. Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

Flexicoking. A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

Fluid Coking. A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

Fresh Feed Input. Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

Fuel Ethanol (C₂H₅OH). An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

Fuels Solvent Deasphalting. A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

Gas Oil. A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

Gasohol. A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

Gasoline Blending Components. Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

Gasoline Treated as Blendstock (GTAB). See **Motor Gasoline Blending Components**.

Gross Input to Atmospheric Crude Oil Distillation Units. Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Heavy Gas Oil. Petroleum distillates with an approximate boiling

range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

High-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 500 ppm.

Hydrogen. The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

Idle Capacity. The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

Imported Crude Oil Burned As Fuel. The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

Imports. Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

Isobutane (C_4H_{10}). A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

Isobutylene (C_4H_8). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Isohexane (C_6H_{14}). A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

Isomerization. A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane (C_4), an alkylation process feedstock, and normal pentane and hexane into isopentane (C_5) and isohexane (C_6), high-octane gasoline components.

Isopentane. See *Natural Gasoline and Isopentane*.

Kerosene. A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

Kerosene-Type Jet Fuel. A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

Commercial. Kerosene-type jet fuel intended for use in commercial aircraft.

Military. Kerosene-type jet fuel intended for use in military aircraft.

Lease Condensate. A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

Light Gas Oils. Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

Liquefied Petroleum Gases (LPG). A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

Liquefied Refinery Gases (LRG). Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

Low-Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

Lubricants. Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

Merchant Oxygenate Plants. Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

Methanol (CH_3OH). A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

Middle Distillates. A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

Military Kerosene-Type Jet Fuel. See *Kerosene-Type Jet Fuel*.

Miscellaneous Products. Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

Motor Gasoline (Finished). A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

Conventional Gasoline. Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

Ed 55 and Lower. Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

Greater than Ed55. Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

OPRG. "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

Oxygenated Gasoline (Including Gasohol). Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

Reformulated Gasoline. Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

Reformulated (Blended with Alcohol). Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

Reformulated (Blended with Ether). Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

Reformulated (Non-Oxygenated). Reformulated gasoline without added ether or alcohol components.

Motor Gasoline Blending. Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

Conventional Blendstock for Oxygenate Blending (CBOB). Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

Gasoline Treated as Blendstock (GTAB). Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

Reformulated Blendstock for Oxygenate Blending (RBOB). Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

RBOB for Blending with Alcohol. Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

RBOB for Blending with Ether. Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

All Other Motor Gasoline Blending Components. Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

MTBE (Methyl tertiary butyl ether) $(CH_3)_3COCH_3$. An ether intended for gasoline blending as described in Oxygenate definition.

Naphtha. A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

Naphtha Less Than 401° F. See *Petrochemical Feedstocks*.

Naphtha-Type Jet Fuel. A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

Natural Gas. A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

Natural Gas Field Facility. A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

Natural Gas Liquids. Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

Natural Gas Plant Liquids. Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

Natural Gas Processing Plant. Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

Natural Gasoline and Isopentane. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon, (C_5H_{12}) , obtained by fractionation of natural gasoline or isomerization of normal pentane.

Net Receipts. The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

Normal Butane. See *Butane*.

OPEC. An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current and former members (with years of membership) include Algeria (1969-present), Angola (2007-present), Congo (Brazzaville) (June 2018-present), Ecuador (1973-1992 and 2007-2019), Equatorial Guinea (2017-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-2018), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and

Venezuela (1960-present).

Operable Capacity. The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

Operable Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

Operating Capacity. The component of operable capacity that is in operation at the beginning of the period.

Operating Utilization Rate. Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

Other Hydrocarbons. Materials received by a refinery and consumed as raw materials. Includes coal tar derivatives and gilsonite. Included hydrogen in data prior to January 2009 and excluded hydrogen thereafter. Excludes natural gas used for fuel or hydrogen feedstock.

Other Oils Equal To or Greater Than 401° F. See **Petrochemical Feedstocks**.

Other Oxygenates. Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Oxygenated Gasoline. See **Motor Gasoline (Finished)**.

Oxygenates. Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

Fuel Ethanol. Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

Methanol. Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

MTBE (Methyl tertiary butyl ether). Blends up to 15.0

percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

Pentanes Plus. A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

Persian Gulf. The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

Petrochemical Feedstocks. Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

Naphtha Less Than 401° F. A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

Other Oils Equal To or Greater Than 401° F. Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

Petroleum Administration for Defense (PAD) Districts. Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

Petroleum Coke. A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

Catalyst Coke. In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

Marketable Coke. Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

Petroleum Products. Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

Pipeline (Petroleum). Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including

interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

Plant Condensate. One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

Processing Gain. The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

Processing Loss. The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

Product Supplied, Crude Oil. Crude oil burned on leases and by pipelines as fuel.

Production Capacity. The maximum amount of product that can be produced from processing facilities.

Products Supplied. Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

Propane (C_3H_8). A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

Propylene (C_3H_6). An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

Propylene (C_3H_6) (nonfuel use). Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

Refinery. An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

Refinery-Grade Butane. See *Butane*.

Refinery Input, Crude Oil. Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

Refinery Input, Total. The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

Refinery Production. Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

Refinery Yield. Represents the percent of finished product produced from input of crude oil, hydrogen, and other hydrocarbons, and net input of unfinished oils. Except for finished motor gasoline, finished aviation gasoline, and distillate fuel oil, EIA calculates refinery yield equal to net production of a finished petroleum product divided by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished motor gasoline, subtract input of natural gas liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components from net production of finished motor gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of finished aviation gasoline, subtract net input of aviation gasoline blending components from net production of finished aviation gasoline and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. In the case of distillate fuel oil, subtract input of renewable fuels except fuel ethanol (including input of biodiesel, renewable diesel fuel, and other renewable fuels) from distillate fuel oil net production and then divide by the sum of input of crude oil, hydrogen, other hydrocarbons, and net input of unfinished oils. Prior to data for January 2009, EIA calculated refinery yields (except for finished motor gasoline) equal to finished product net production divided by the sum of input of crude oil and net input of unfinished oils. EIA calculated refinery yield of finished motor gasoline equal to net production of finished motor gasoline minus the sum of input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components divided by the sum of input of crude oil and net input of unfinished oils.

Reformulated Blendstock for Oxygenate Blending (RBOB). See *Motor Gasoline Blending Components*.

Reformulated Gasoline. See *Motor Gasoline (Finished)*.

Renewable Fuels (Other). Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

Residual Fuel Oil. A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations.

It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

Residuum. Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

Road Oil. Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

Shell Storage Capacity. The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

Steam (Purchased). Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

Still Gas (Refinery Gas). Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

Stock Change. The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

Strategic Petroleum Reserve (SPR). Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

Sulfur. A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations

greater than 1 percent.

Supply. The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

TAME (Tertiary amyl methyl ether) $(CH_3)_2(C_2H_5)COCH_3$. An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

Tank Farm. An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

Tanker and Barge. Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal to a PAD District.

TBA (Tertiary butyl alcohol) $(CH_3)_3COH$. An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

Thermal Cracking. A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

Toluene $(C_6H_5CH_3)$. Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

Ultra-Low Sulfur Distillate Fuel Oil. Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

Unaccounted for Crude Oil. Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

Unfinished Oils. All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

Unfractionated Streams. Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

United States. The United States is defined as the 50 States and the

District of Columbia.

Vacuum Distillation. Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

Visbreaking. A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

Wax. A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes

all marketable wax, whether crude or refined, with a congealing point (ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

Working Storage Capacity. The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

Xylene ($C_6H_4(CH_3)_2$). Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.